

VEGA22

RECESSED



Grid - shown with MTO and HLO optics

DESCRIPTION

Vega is an efficient architectural troffer with a distinctive luminous shielding that features a median textured optic. Vega provides highly efficient illumination and offers comprehensive ceiling, electrical, and controls options in 2x2, 1x4, and 2x4 sizes. See separate spec sheets for LED and other available mountings.

PROJECT: _____
TYPE: _____
APPROVED BY: _____
SIGNATURE: _____

ORDER GUIDE

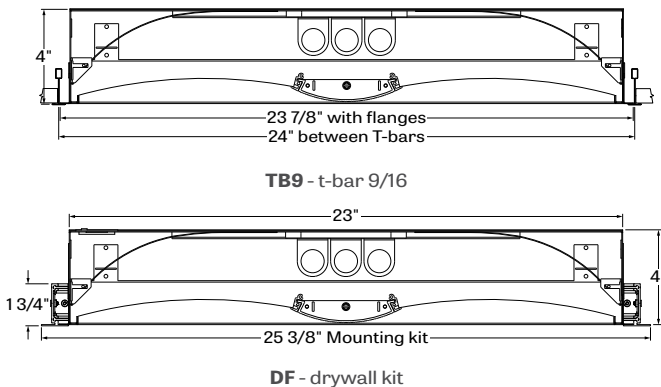
IC RATED

VEGR	22	MTO	HLO				
LUMINAIRE ID	SIZE	CENTER OPTICS	SIDE OPTICS	LIGHT SOURCE	NUMBER OF LAMPS	VOLTAGE	BALLAST
VEGR - vega recessed	22 - 2'x2'	MTO - Median Textured Optic	HLO - High-Efficiency Lambertian Optic	T5 - T5 lamp T5HO - T5HO lamp T8 - T8 lamp	1 - 1 lamp 2 - 2 lamps 3 - 3 lamps	120 - 120V 277 - 277V UNV - 120V-277V 347 - 347V	IN - instant start RS - rapid start D - dimming 0-10V ST - step dimming DA - dali LHL - Lutron Hi-Lume 3D

ELECTRICAL	MOUNTING	FINISH	CONTROLS	OPTIONS
1 - 1 circuit 2 - 2 circuits +EB - emergency battery pack +EM - emergency light circuit +NL - night light circuit +GTD - generator transfer device +M - master (consult factory) +S - satellite (consult factory)	TG9 - tegular 9/16" TG15 - tegular 15/16" TB9 - t-bar 9/16" TB15 - t-bar 15/16" ST - screw slot t-bar DF - drywall kit	W - matte white CF# - custom finish specify RAL#	ONBOARD OMS - Motion Sensor & power pack ODS - Daylight Sensor & controller WIRELESS EWC - EnOcean Wireless Controller LMC - Lutron Motion Controller LDC - Daylight Controller	FU - fuse FWC - flexible whip cable (6' std) AR - air return (for grid only) CP - Chicago Plenum CU - custom

See page 2 for ordering code detailed information

CROSS SECTION

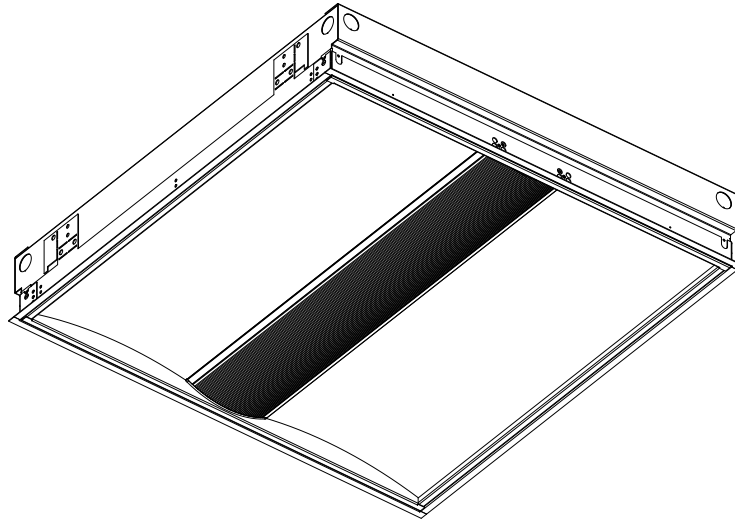


OPTICS

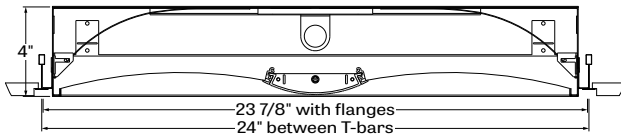


HLO Side optics - High-Efficiency Lambertian
 MTO Center optics - Median Textured Optic

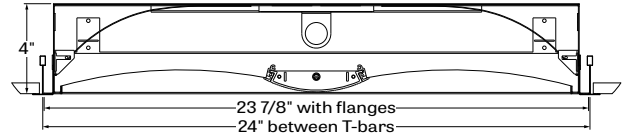
1 LAMP



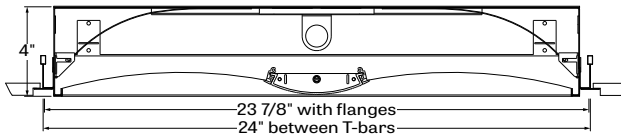
VEGA - TG9 - tegular 9/16"



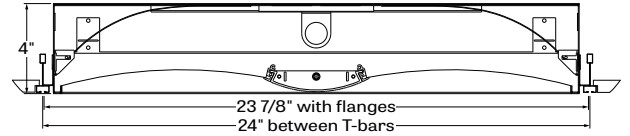
VEGA - TB15 - t-bar 15/16"



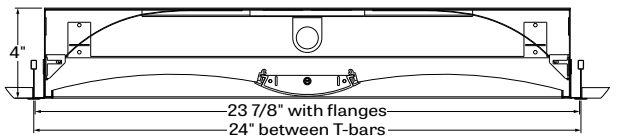
VEGA - TG15 - tegular 15/16"



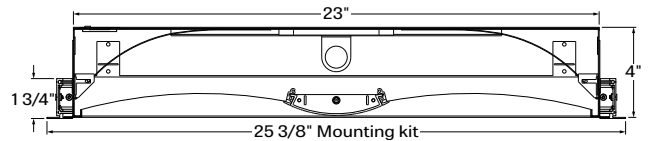
VEGA - ST - screw slot t-bar



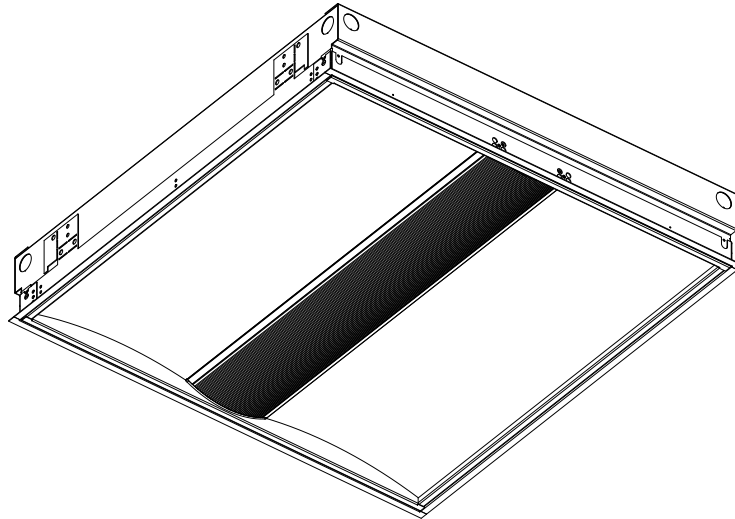
VEGA - TB9 - t-bar 9/16"



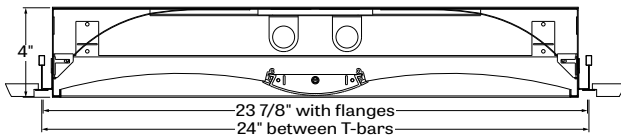
VEGA - DW - drywall kit



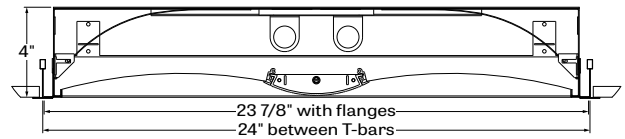
2 LAMPS



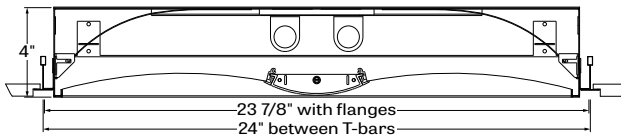
VEGA - TG9 - tegular 9/16"



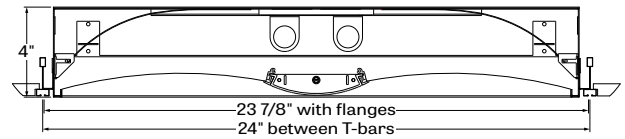
VEGA - TB15 - t-bar 15/16"



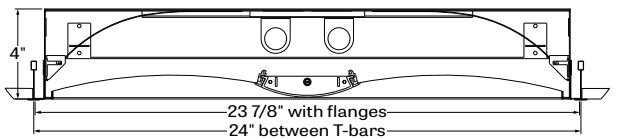
VEGA - TG15 - tegular 15/16"



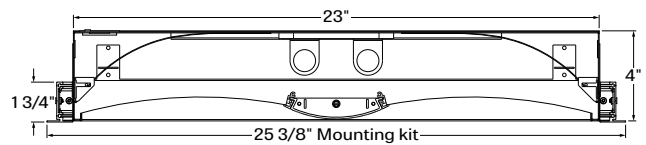
VEGA - ST- screw slot t-bar



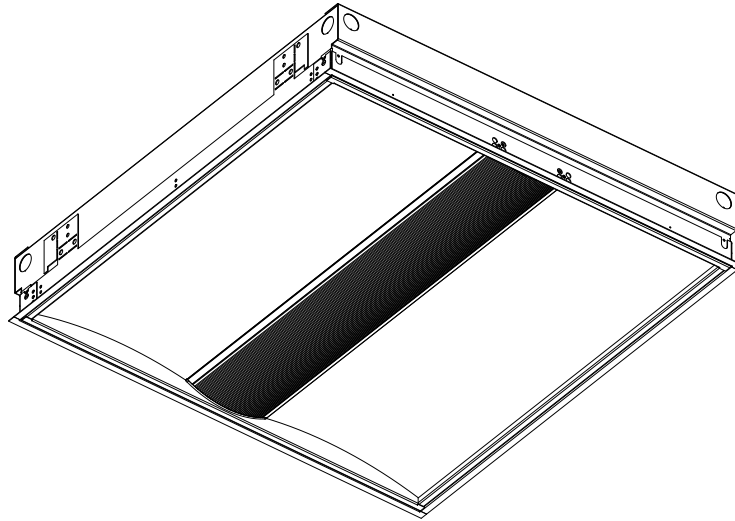
VEGA - TB9 - t-bar 9/16"



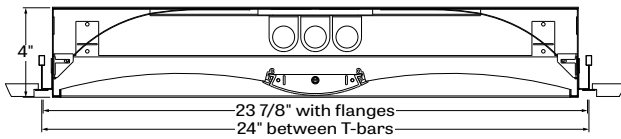
VEGA - DW- drywall kit



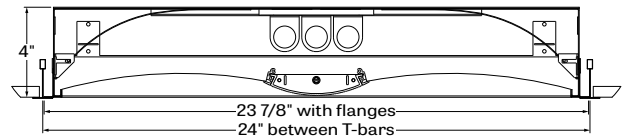
3 LAMPS



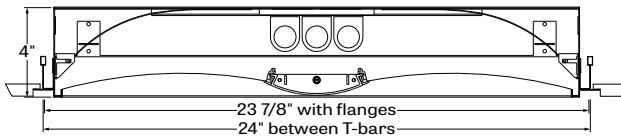
VEGA - TG9 - tegular 9/16"



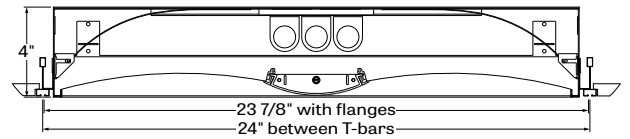
VEGA - TB15 - t-bar 15/16"



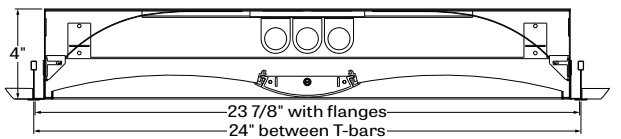
VEGA - TG15 - tegular 15/16"



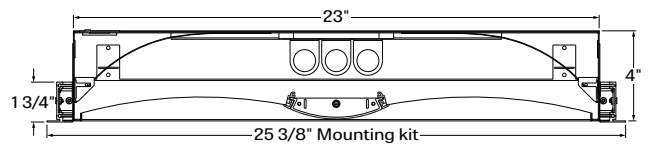
VEGA - ST- screw slot t-bar



VEGA - TB9 - t-bar 9/16"



VEGA - DW- drywall kit



OPTICS

CENTER LENS - MEDIAN TEXTURED OPTIC (MTO) - Median Textured Optic (MTO) shielding consisting of ribbed diffusing center element.

SIDE LENS - HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO) - Curved sides of diffusing 0.075" thick acrylic with 90% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio in addition to offering a gentle gradient from center to edge.

ELECTRICAL

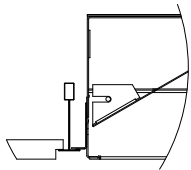
Universal input voltages with multiple control schemes offered. Consult factory for availability.

EMERGENCY

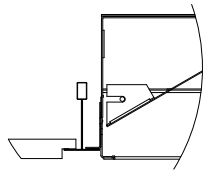
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation. Recharge time of 24 hours.

MOUNTING OPTIONS

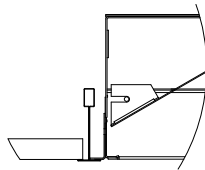
Recess mount into exposed or concealed T-Bar or Tegular grid ceiling



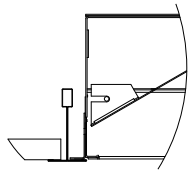
TG9 - tegular 9/16"



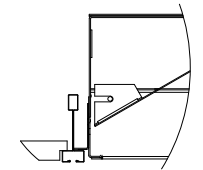
TG15 - tegular 15/16"



TB9 - t-bar 9/16"

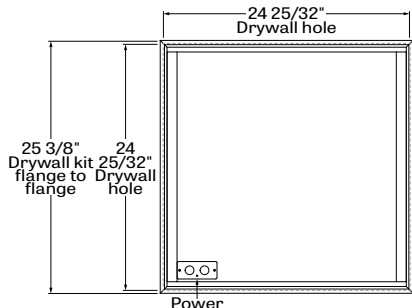


TB15 - t-bar 15/16"

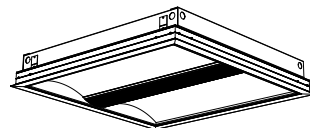


ST - screw slot t-bar

A separate kit for mounting fixtures into drywall ceilings



DF - drywall kit



FINISH

Interior reflectors - 95% reflective, matte white powder coating

Exterior - matte white powder coating. Custom finish is also available.

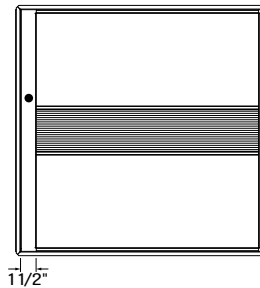
CONTROLS

LumenWerx offers several options for integrating motion and daylight controls into Vega luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage, and system integration. Onboard options incorporate both the sensor and controller/powerpack. Onboard sensors, while inherently simpler, have limitations of control and coverage.

Onboard

Onboard Motion Sensor and power pack (OMS) provide automatic on and automatic off control, using PIR detection. Sensor is designed to detect fine-motion when installed within 6' of occupants.

Onboard Daylight Sensor and controller (ODS) provide input for 0-10V dimming drivers. Separate switched control of line input is required for on/off control.



Location of an Onboard sensor

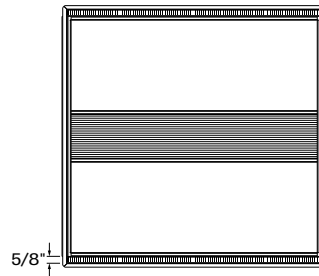
Wireless

EnOcean Wireless Controller (EWC) provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.

Lutron Motion Controller (LMC) and **Daylight Controller (LDC)** provide inputs to Ecosystem drivers. Compatible Lutron wireless motion and daylight sensors (by others) mounted in the room signal onboard LPC or LDC. This option permits manual on/automatic off (vacancy) control.

OPTIONS

The air return option consists in a discreet, yet efficient, slot pattern integrated into the side flanges of the luminaire, allowing the airflow to exhaust into plenum space, creating a clean, pleasant look of the ceiling.



Air Return

CONSTRUCTION

Housing - Die formed cold rolled sheet steel 20 gauge thick, matte white powder coating.

Reflectors - Cold rolled steel 0.030" thick precisely die formed, 95% reflective matte white painted.

Interior brackets - Die formed cold rolled sheet steel 20 gauge thick.

Center basket - Extruded Aluminum 0.07" nominal, matte white and lens made in clear PMMA precisely formed into optical micro-structures forms.

Side lenses - Frost impact acrylic lens 88% transmissive.

Drywall kit - Extruded Aluminum 0.07" nominal, matte white powder coating.

WEIGHT

16.08lbs.+2.51lbs. (drywall kit) - 7.3kg+1.14kg (drywall kit)

CERTIFICATIONS

ETL - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

Chicago plenum - City of Chicago Approved (CCEA)

IC rated - suitable for direct contact with insulation.