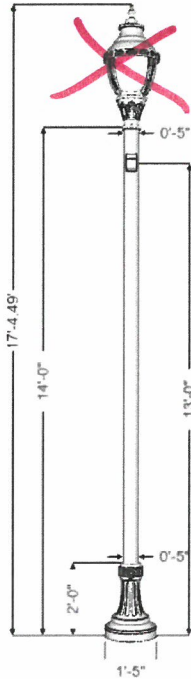


Assembly Drawing



Windload

Passed Wind Speed: 90 mph

Windload Result: 20%

Evaluated per: AASHTO 2013

Anchorage/Orientation Plan

new pole only

Note: Door = Hand Hole

Ordering Information

Qty	Catalog Number
13	AWDE3 P30 30K MVOLT CLF AL3 BK FRBM ST TBK UA
13	NYA 14 S5J 17D C03 BK RP156A
13	FGIUS BK

Description	Height/Width
Assembly Overall Height	17'-4.49"
Luminaire Mounting Height	14'-0"
Pole Height	14'-0"
FGIUS Height	13'-0"
Pole Shaft OD At Top	0'-5"
Pole Shaft OD At Bottom	0'-5"
Pole Base Height	2'-0"
Pole Base Width	1'-5"

Customer Approval Signature:

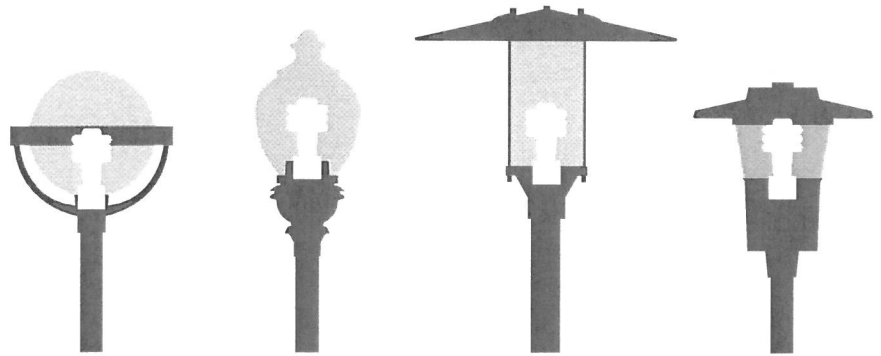
Date:

D4A Adaptive Light Source

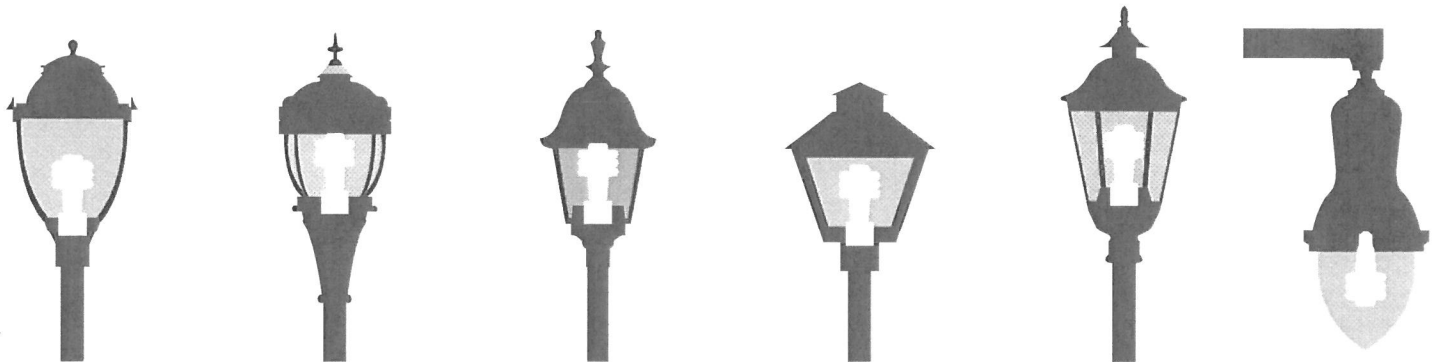
We do it all.

Proven Superior Performance in AEL, Cooper, GE, Hadco, Hanover, HCI, Holophane, King Luminaire, Lumec, Mainstreet Lighting, Pelco, Pemco, Sternberg, and more.

IES Files available with the D4A inside of a wide variety of fixtures. Contact Vega for specific files.



BASE DOWN



BASE DOWN or BASE UP FIXED PLATE

BASE UP or
FIXED PLATE

AEL American
Electric
Lighting

COOPER



Hanover
LANTERN

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

KING LUMINAIRE

PHILIPS
LUMEC

MAIN STREET
LIGHTING INC.

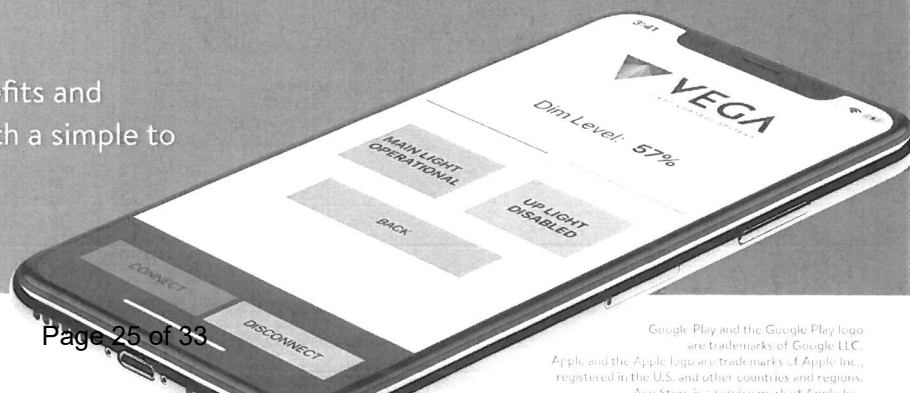
PELCO
by Schneider Electric

PEMCO
LIGHTING PRODUCTS

SternbergLighting
ESTABLISHED 1922 • EMPLOYEE OWNED

VEGA Link IQ D4A

The easiest way to maximize the benefits and savings of VEGA control products with a simple to use smart phone interface!



VEGA Link IQ D4A

Available on:



D4A

D4A Adaptive Light Source

Performance

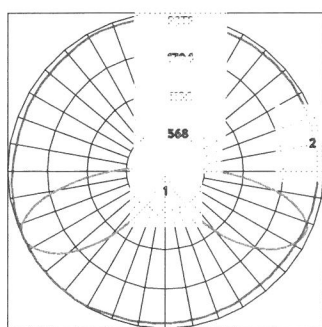
RATED WATTAGE	INPUT WATTAGE	DISTRIBUTION	2200K	3000K	4000K	5000K
MOGUL BASE (E49)			LUMEN OUTPUT			
30	30.5	T5M	3631	5114	5391	5391
40	40.4	T5M	4656	6670	7031	7031
50	50.5	T5M	5576	8105	8543	8543
60	62.7	T5M	6659	9853	10,386	10,386
MEDIUM BASE (E26)						
20	20.6	T5M	2452	3454	3641	3641
30	30.5	T5M	3631	5114	5391	5391
40	42.7	T5M	5046	7335	7731	7731

MAXIMUM ALLOWABLE RATED WATTAGE INSIDE GLOBES

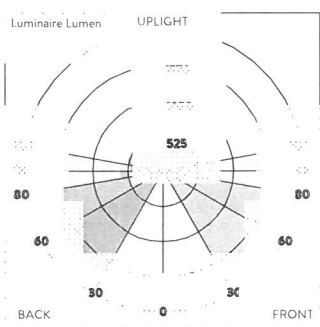
Maximum temperature is maintained temp external to luminaire globe (ambient temp)

MAX TEMP	26" PLASTIC ACORN	20" PLASTIC ACORN	20" GLASS ACORN
40C	60W	50W	50W
50C	50W	45W	45W

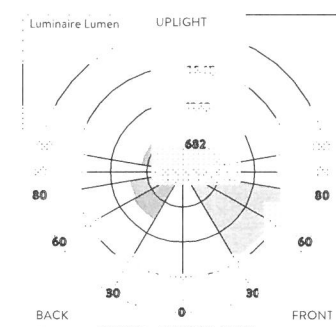
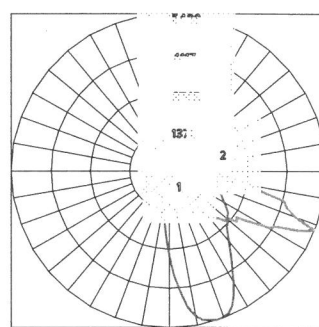
Distribution Plots



TYPE 5

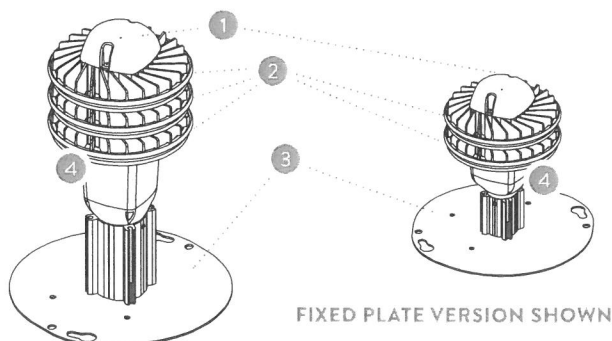


TYPE 3



Key Features

- 1 Accessory Module includes Uplight, RGB, Remote Control, Mesh Module
- 2 Advanced Optics
- 3 Mogul, Medium, or Fixed Base
- 4 Optional Ground for True 3-Wire Suppression



D4A Adaptive Light Source

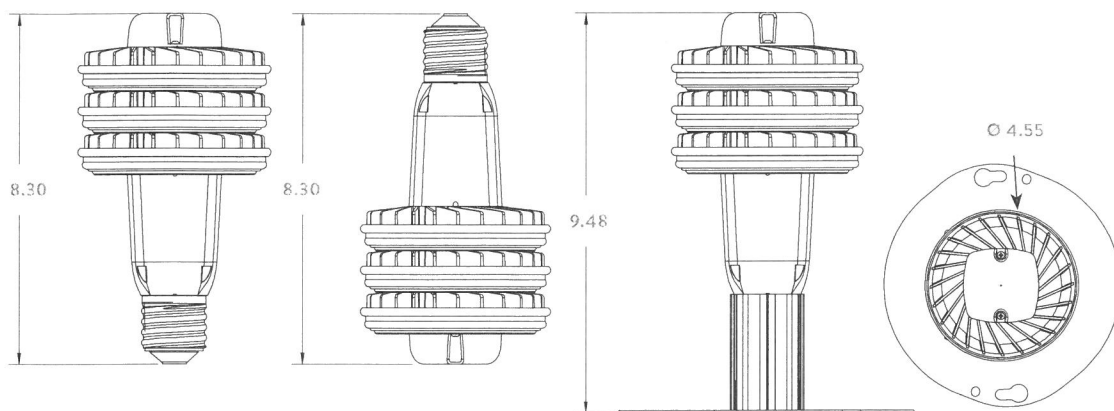
Dimensions

Fixed Mounting Plates

MOGUL BASE BASE DOWN

MOGUL BASE BASE UP

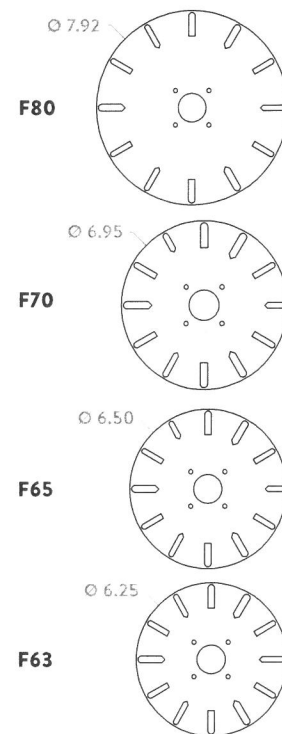
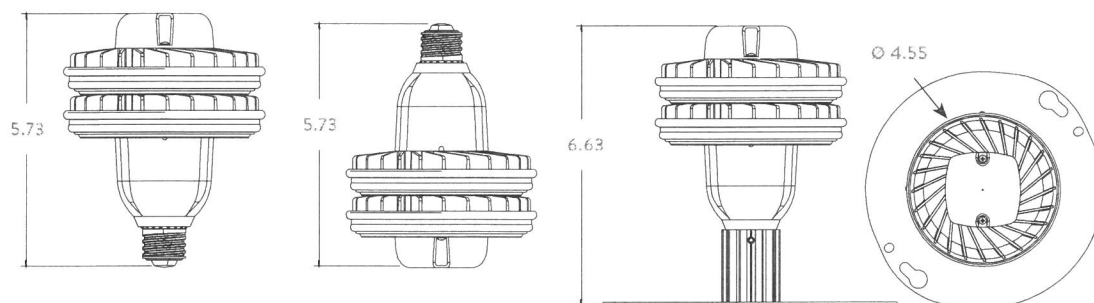
MOGUL BASE FIXED BASE



MEDIUM BASE BASE DOWN

MEDIUM BASE BASE UP

MEDIUM BASE FIXED BASE



We are more than happy to create a custom bracket for your project, just contact us!

Ordering Instructions

MOGUL BASE (E39) SIZE									
STYLE	WATTS	LAMP SIZE	CCT	TYPE	ACCESSORY CAP	BASE/ MOUNTING	BASE POSITION	DIMMING/CONTROL	CUSTOM
D4A	-30	G (MOGUL)	-22K	-T5M	-NA (NO UPLIGHT)	-E39 (BASE)	D (BASE DOWN) U (BASE UP)	-STD	-C### -####
	-40		-30K		-UPL (WITH UPLIGHT)	-C### (CUSTOM)		-DIM (BT DIM CONTROL)	
	-50		-40K		-RGB (UPLIGHT W/ COLOR)	-F## (FIXED MOUNTING PLATE)		-BUG (ZONE CONTROL)	
	-60		-50K		-C### (CUSTOM OEM CONFIGURATION)	-MSH (MESH NETWORKING)			
MEDIUM BASE (E26) SIZE									
STYLE	WATTS	LAMP SIZE	CCT	TYPE	ACCESSORY CAP	BASE/ MOUNTING	BASE POSITION	DIMMING/CONTROL	CUSTOM
D4A	-20	M (MEDIUM)	-22K	-T5M	-NA (NO UPLIGHT)	-E26 (BASE)	D (BASE DOWN) U (BASE UP)	-STD	-C### -####
	-30		-30K		-UPL (WITH UPLIGHT)	-C### (CUSTOM)		-DIM (BT DIM CONTROL)	
	-40		-40K		-RGB (UPLIGHT W/ COLOR)	-F## (FIXED MOUNTING PLATE)		-BUG (ZONE CONTROL)	
			-50K		-C### (CUSTOM OEM CONFIGURATION)	-MSH (MESH NETWORKING)			

EXAMPLE #1

D4A-20M-22K-T5M-NA-E26D-STD



DESCRIPTION

D4A, 20W, Medium Sized, 2200K CCT, Type 5 Distribution, No Uplight, E26 Medium Base, Base Down, Standard without Dimming

EXAMPLE #2

D4A-60G-40K-T3M-UPL-F70D-DIM



D4A, 60W, Mogul Sized, 4000K CCT, Type 3 Distribution, Uplight, Fixed Plate with Ø 6.95" Plate, Base Down, Bluetooth Dimming Control

NOTES: Customized mounting brackets available please call for cost and lead time.

D4A Adaptive Light Source

COST SAVINGS | EASY TO INSTALL | HIGH PERFORMANCE | ENVIRONMENTALLY FRIENDLY

The Vega D4A is revolutionary in performance, reliability, light control, and optional built in controls. Reduce cost, phone calls, and truck rolls with this fully controllable engineered product. It is designed to allow you to make changes after installation and offers Bluetooth or Mesh control, backlight control, RGB uplight, advanced diagnostics, and much more. Take control of your lighting with the D4A.

At 60 watts it can achieve IES RP-08 at 179' pole spacing, 16' mounting height. At 10,000 lumens directional (with 10% uplight) it will outperform a 18,000 lumen bulb (non-directional light 50% uplight). You can achieve 120w of LED performance at only 60w consumed.

BEST IN CLASS PERFORMANCE

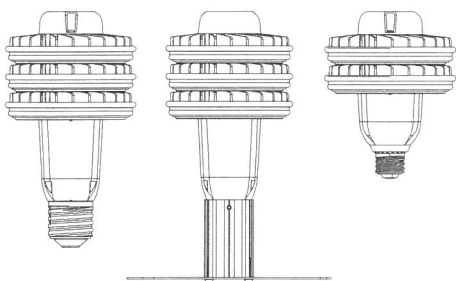


Up to 160 Lumens Per Watt directional

- Double or triple light coverage and life of most LED Competitors
- Easy Install - Mogul Base, Medium Base, and fixed plate mounting available
- Only 10% uplight where competitors are 50% on average
- Reduced glare by up to 60%
- NOT Omnidirectional by design – engineered optics efficiently manage light
- 36 kV of surge suppression standard across all three lines
- Optional ground wire for true long life performance
- Superior thermal design (no fans or thermal bandaids)
- DLC Listing & UL Listing (In Process)
- *Patent Pending*

OPTIONAL FEATURES

- Built in Controls - Bluetooth remote control using **VEGA Link app**. Control uplight, dimming, night time dimming schedule, report diagnostics, burn time, and asset tag ID.
- BUG Rating modification – independently modify Backlight, Uplight, or Glare
- Adaptive Capability – modify distribution pattern from Type 5 to Type 3 for example. Shut off or dim backlight
- Accessory Module Top Cap – white uplight, RGB uplight, signal lights, and more
- Built in Mesh Networking – VEGA Link Mesh Control (modify one unit settings and 'sync' all others), lock individuals where needed, report diagnostics, faults, GPS location, and more.



RATED LIFE

100,000+ Hrs Rated System Life
80% Lumen Maintenance at 100,000 Hrs
7 year warranty (extended warranty available)

TESTING

IESNA LM-80
InSitu Thermal
Energy Star TM-21
Surge & Transient Tested
100% Production Test & Inspect

LISTING

IP66 Wet Location Rated
Pending Certification to UL 1598C, UL 8750, CSA TIL B-79A
Surge suppression designed to UL 1449 3rd Edition
UL Drivers
Complies with IEEE C62.41

SHIPPING INFORMATION

Ships from Michigan Mfg Plant
ISO 9001 US Facility
BAA Compliant
ARRA Compliant

ELECTRICAL

36 kV Surge Suppression
Power Factor Correction >92%
<20% Total Harmonic Distortion
-40C to +50C Ambient Operating Temp
Universal 120-277 VAC, 480 VAC Option
Thermal Overload Protected
Electrical Short / Overload Protected
Requires Live Voltage/Ballast Bypass



AMERICAN RECOVERY
& REINVESTMENT ACT
COMPLIANT



SUPPORT@VEGALIGHTCONTROL.COM
616.259.0700
VEGALIGHTCONTROL.COM

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VEGA Link IQ D4A
Available on:



Memo

From: Jon Nelson, Clerk-Treasurer

To: Freeport City Council

Date: 10/14/2022

Re: Switching from Local Board of Appeal to Open Book for Property Tax Appeals

The City is considering switching to the open book process for property tax appeals. Please review the attachment to see the advantages residents can expect with this change.

Recommendation: Consider approval of the Local Board of Appeal & Equalization Transfer Agreement with Stearns County.