

TV3C3 Large LED Astra Wall and Flood Light



Project Information	
Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

The DuraGuard TV3C3 luminaire is available in two wattages designed to replace HID lighting systems up to 400w MH or HPS. Typical applications include general area, parking, flood, security, and accent lighting for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting can be accomplished using ground attachment accessories and up to heights of 20 feet based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING:

Die-Cast Gasketed Aluminum Housing, Includes Cast-In Box Template and Built in Level. White Reflector Nickel-Plated Stainless Steel Hardware.

LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.

FINISH:

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

LENS:

Tempered Clear Flat Glass Lens.

MOUNTING OPTIONS:

Mount Directly Over Recessed Electrical Box, Use 1/2" Surface Conduit, Heavy-Duty Adjustable Knuckle, Slipfitter, or Two-Piece Swivel Bracket (Field Installed).

COB LED:

DuraGuard COB

WATTAGE:

60w COB: 60w, System: 56w; (250w HID Equivalent)
80w COB: 80w, System: 80w; (400w HID Equivalent)

DRIVER:

Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

CONTROLS:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with DuraGuard Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

WARRANTY:

5-Year Warranty for -40°C to +50°C Environment.

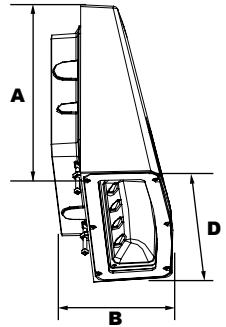
See Page 3 for Projected Lumen Maintenance Table.



Shown with "SSF" Slipfitter Mounting Option.

Dimensions

Width (D)	9 1/2" (248mm)
Length (B)	11 1/4" (286mm)
Height (A)	6 1/8" (156mm)
Length (B) with Mount	Bracket (BR): 9 1/2" (241mm) Knuckle (KN): 9 3/8" (251mm) Slipfitter (SF): 11 1/8" (283mm)



DuraLED TECHNOLOGY

Complete Units Ordering Information
Example: **TV3C34X20U41KZKNSP**

TV3C3 Large LED Astra Wall and Flood Light

TV3C3	U	41K				
Model	Wattage	Driver	CCT	Color	Mounting	tions
TV3C3=Large LED Astra Wall and Flood Light	4X15=60w 4X20=80w	U=120-277V	41K=4100K	Z=Bronze C=Custom (Consult Factory) KN=1/2" NPS Knuckle SSF=Slipfitter SSB=Two-Piece Swivel Bracket		
				*All Mounts Are Field Installed.		
				SF=Single Fuse* DF=Double Fuse* SP=Surge Protection P14=Pencil Photocell, 120-277VAC		
				*120-277V Models Only.		



DesignLights Consortium™
Qualified Luminaires:
TV3C34X15U41K*
TV3C34X20U41K*



Specifications subject to change without notice.

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ACCESSORIES & REPLACEMENT PARTS:

Mounting Accessories (Order Separately, Field Installed)

PTFZ	Die-cast Post Top Fitter for 2 3/4" to 3 1/2" Poles, Bronze Powdercoat Finish, Three (3) 1/2" Coin Plugs.
STK	Heavy Duty Ground Stake, Built-in Wiring Compartment with 1/2" NPS Threaded Fitting, Black Plastic.



Accessories (Order Separately, Field Installed)

P18110	110-130V 120VAC Pencil Photocell
P18112	208-277V 240VAC Pencil Photocell



P18110 & P18112

Replacement Parts (Order Separately, Field Installed)

FLSTZ	Die-Cast Adjustable Knuckle with 1/2" NPS Threads, Bronze Powdercoat Finish.
SSFZ	External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.
SSBZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
P18114	120-277V, 50/60Hz Pencil Photocell



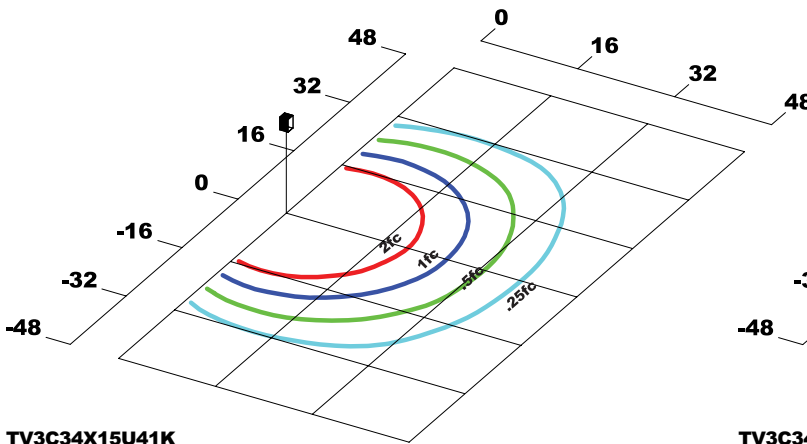
FLSTZ* SSFZ* SSBZ* P18114

*Shown Mounted

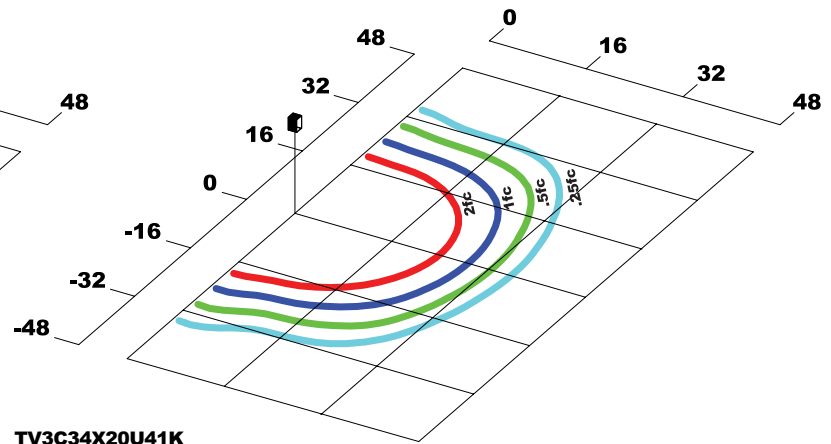
PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	4100 CCT 80 CRI				
				Lumens	LPW	B	U	G
COB LED 60w	525	56	Type III	6,508	116	2	1	1
COB LED 80w		80	Type III	8,212	103	3	1	1

PHOTOMETRIC DATA



TV3C34X15U41K
Type III
Grid in MH
MH=16 Feet



TV3C34X20U41K
Type III
Grid in MH
MH=16 Feet

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TV3C3 Large LED Astra Wall and Flood Light



PHOTOMETRIC PERFORMANCE

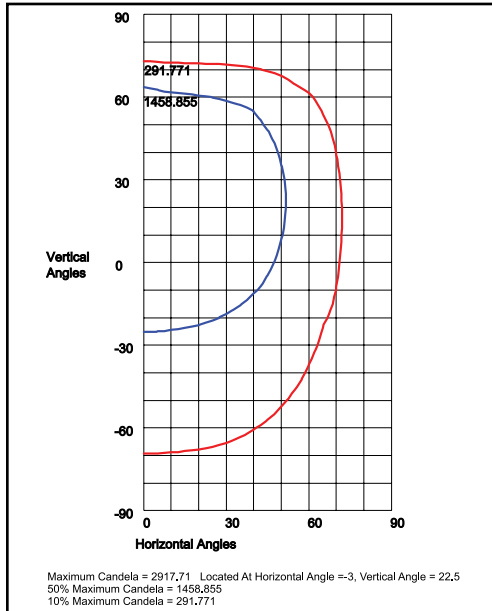
LED Board Watts	Drive Current (mA)	Input Watts	Beam	4100 CCT 80 CRI	
				Lumens	LPW
COB LED 60w	525	56	105°H x 90°V, NEMA 7H x 7V	6,509	116
COB LED 80w		80	100°H x 80°V, NEMA 7H x 7V	8,221	103

PROJECTED LUMEN MAINTENANCE

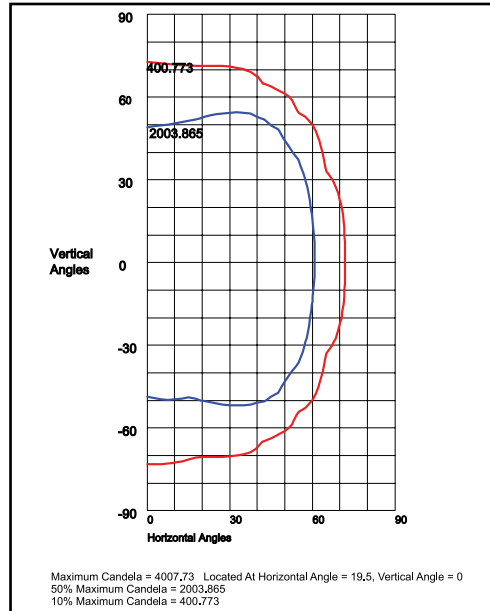
Data shown for 4100 CCT TM-21-11	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 80w	1.00	0.90	0.81	0.61	77,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.87	0.73	0.46	56,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.88	0.77	0.53	43,000

- NOTES:**
 1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
 2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

PHOTOMETRIC DATA



TV3C34X15U41K
 105°H x 90°V Beam, NEMA 7H x 7V



TV3C34X20U41K
 100°H x 80°V Beam, NEMA 7H x 7V