

TV2C3 Amber LED Small LED Astra Wall and Flood



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

The DuraGuard TV2C³ Astra is designed to replace HID lighting systems up to 175w MH or HPS for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595nm, greater than 560nm required for wildlife protection. Typical wall mounted lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of up to 12 feet can be used 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 IP65 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 or use 1/2" Surface Mount Conduit. Adjustable Knuckle with 1/2" NPS Threads, Sold Separately, Field Installed.

COB LED:

DuraGuard COB

WATTAGE:

20w COB: 20w, System: 21w; (100w HID Equivalent)
40w COB: 40w, System: 43w; (175w HID Equivalent)

DRIVER:

Electronic Driver, 120-277V, 50/60Hz; 347-480V, 50/60Hz or 347V, 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.

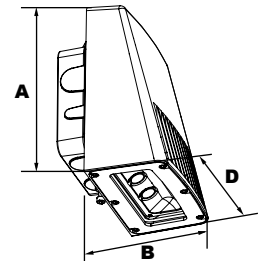
See Page 2 for Projected Lumen Maintenance Table.



Shown with "KN" Knuckle Installed.

Dimensions

Width (D)	6" (152mm)
Height (A)	7 7/8" (200mm)
Length (B)	5 1/4" (130mm)
Length (B) with Knuckle	9 1/4" (235mm)



DuraLED TECHNOLOGY

Complete Units Ordering Information
Example: **TV2C32X20UAMZSP**

TV2C3 Amber LED Small LED Astra Wall and Flood

Shipped from Tampa location only

DuraLED Amber Series

TV2C3		AM				
Model	Wattage	Driver	CTT	Color	Mounting	Options
TV2C3=Small Amber LED Astra Wall Accent Light	2x10=20w 2X20=40w	U=120-277V H=347-480V C=347V	AM=1400K	Z=Bronze C=Custom (Consult Factory)	KN=Knuckle* *Optional, field installed. Order only for flood model.	SF=Single Fuse* DF=Double Fuse* SP=Surge Protection P14=Pencil Photocell, 120-277VAC *120-277V Models Only.




Specifications subject to change without notice.

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EPA (EFFECTIVE PROJECTED AREA)

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	.31	5 Lbs

ACCESSORIES & REPLACEMENT PARTS:



Mounting Accessories (Order Separately, Field Installed)	
PTFZ	Die-cast Post Top Fitter for 2 $\frac{3}{8}$ " to 3 $\frac{1}{2}$ " Poles, Bronze Powdercoat Finish, Three (3) $\frac{1}{2}$ " Coin Plugs.
STK	Heavy Duty Ground Stake, Built-in Wiring Compartment with $\frac{1}{2}$ " NPS Threaded Fitting, Black Plastic.
FLSTZ	Die-Cast Adjustable Knuckle with $\frac{1}{2}$ " NPS Threads, Bronze Powdercoat Finish.

Accessories (Order Separately, Field Installed)	
P18110	110-130V 120VAC Pencil Photocell
P18112	208-277V 240VAC Pencil Photocell
TV2BFZ	Baffle, Aluminum with Bronze Powdercoat Finish

Replacement Parts (Order Separately, Field Installed)	
P18114	120-277V, 50/60Hz Pencil Photocell

*Shown Mounted

PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics
COB LED 43w	525	43	Type II

PROJECTED LUMEN MAINTENANCE

Data shown for Amber LEDs TM-21-11	Input Watts	Compare to MH				
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	43	1.00	0.90	0.80	0.61	76,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.86	0.72	0.44	54,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.88	0.76	0.52	42,000

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

