

TV2C3 Small LED Astra Wall Accent and Flood Light



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

The DuraGuard TV2C3 luminaire is available in two wattages designed to replace HID lighting systems up to 175w 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 heights of 8 to 15 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 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 or Use 1/2" Surface Conduit or Adjustable Knuckle with 1/2" NPS Threads, (Included, Field Installed).

COB LED:

DuraGuard COB

WATTAGE:

20w COB: 20w, System: 21w (100w HID Equivalent)
 Note: 12V Model is 20w only.
 40w COB: 40w, System: 43w (175w HID Equivalent)

DRIVER:

Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection is 2kV for 20w, 6kV for 40w. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.
 12V: Electronic Driver, 12-17VAC Input, 50/60Hz, Non-Dimmable (20w Model Only)

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.

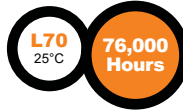
BATTERY BACKUP:

Battery Backup Option Includes Accessory Housing (Ships Separately). Empty Accessory Housing is Available For Use When a Uniform Building Aesthetic is Desired.

WARRANTY:

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

See Page 3 for Projected Lumen Maintenance Table.



Shown with "KN" Knuckle Installed.

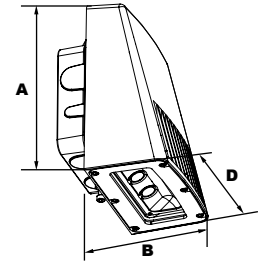


Shown with Battery Backup Option. Only Available for Wall Mount



Dimensions

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



DuraLED TECHNOLOGY

Complete Units Ordering Information
 Example: **TV2C32X20U41KZKNSP**

TV2C3 Small LED Astra Wall Accent and Flood Light

TV2C3		41K				
Model	Wattage	Driver	CCT	Color	Mounting	Options
TV2C3=Small LED Astra Wall Accent and Flood Light	2X10=20w 2X20=40w	U=120-277V V=12V* *20w Model Only.	41K=4100K	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*
- BU4=Battery Backup, 90 Minutes♦■
- BUC4=Cold Start Battery Backup, -20°C, 90 Minutes♦■

*Not Available on 12V Model.
 ♦120-277V Models Only.
 ■Wall Mount Only. (Not available for "KN")




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 2½" to 3½" Poles, Bronze Powdercoat Finish, Three (3) ½" Coin Plugs.
STK	Heavy Duty Ground Stake, Built-in Wiring Compartment with ½" NPS Threaded Fitting, Black Plastic. For Low-Voltage Applications.
NA04	Plastic Ground Stake with ½" NPT Threads, 11" H x 3" Diameter. For Low-Voltage Applications.

Accessories (Order Separately, Field Installed)	
P18110∅	110-130V 120VAC Pencil Photocell
P18112∅	208-277V 240VAC Pencil Photocell
NT150BK	150w, 120V Black Powdercoat Steel Landscape Transformer, 12V, with Timer and Photocell
NT300SS	150w, 120V Black Powdercoat Steel Landscape Transformer, 12V, with Timer and Photocell
NT300SSM	300w, 120V Stainless Steel Landscape Transformer, Multi-Tap 12/14/17V, with Timer and Photocell
ACCHSG4*	Empty Die Cast Accessory Housing, Powdercoat Finish

∅Not Available on 12V Model.
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

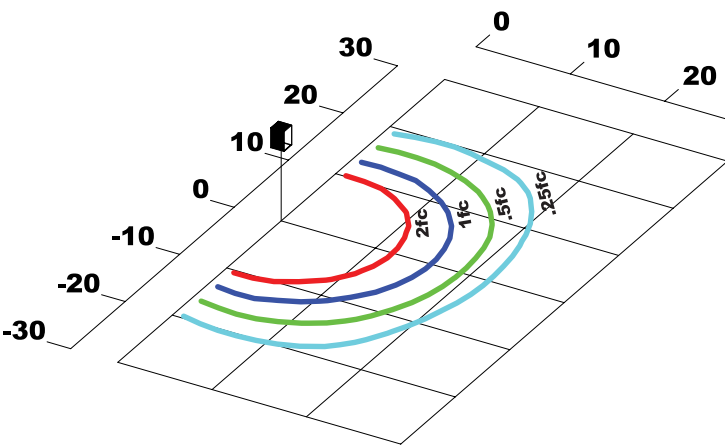
Replacement Parts (Order Separately, Field Installed)	
FLSTZ	Die-Cast Adjustable Knuckle with ½" NPS Threads, Bronze Powdercoat Finish.
P18114∅	120-277V, 50/60Hz Pencil Photocell

For Replacement Battery Backup, see the DuraGuard LED Battery Backup Specification Sheet.
∅Not Available on 12V Model.

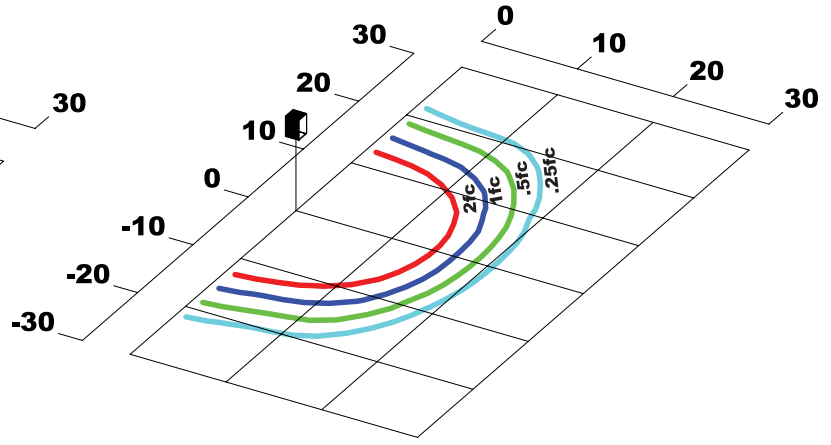
PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	4100 CCT 80 CRI				
				Lumens	LPW	B	U	G
COB LED 21w	525	21	Type II	2,300	110	1	1	0
COB LED 43w		43	Type II	4,025	94	2	1	1

PHOTOMETRIC DATA



TV2C32X10U41K
Type II
Grid in MH
MH=10 Feet



TV2C32X20U41K
Type II
Grid in MH
MH=10 Feet

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PHOTOMETRIC PERFORMANCE

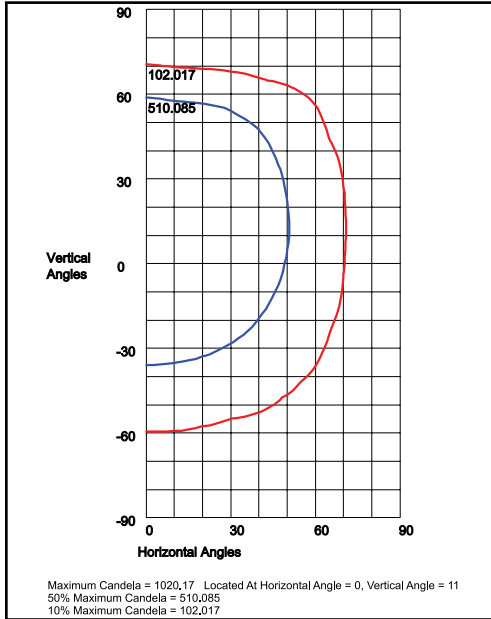
		4100 CCT 80 CRI			
LED Board Watts	Drive Current (mA)	Input Watts	Beam	Lumens	LPW
COB LED 21w	525	21	110°H x 100°V, NEMA 7H x 6V	2,304	110
COB LED 43w		43	100°H x 90°V, NEMA 7H x 6V	4,034	94

PROJECTED LUMEN MAINTENANCE

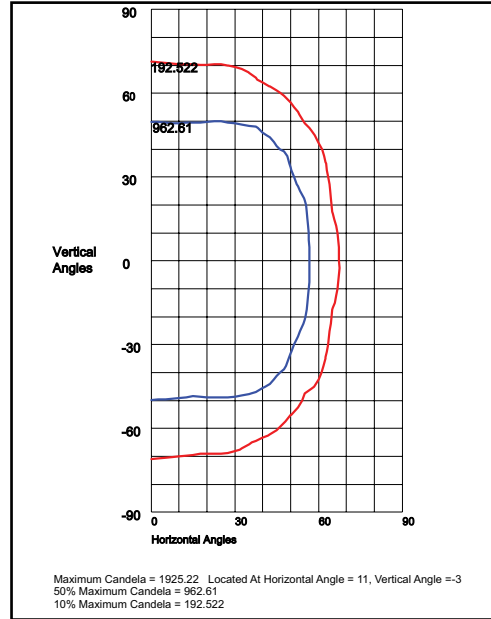
Data shown for 4100 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 43w	1.00	0.90	0.80	0.61	76,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.86	0.72	0.44	54,000
L80 Lumen 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



TV2C32X10U41K
 110°H x 100°V Beam, NEMA 7H x 6V



TV2C32X20U41K
 100°H x 90°V Beam, NEMA 7H x 6V