CANVAS78TN/PCS2

RAB LIGHTING

Project:		Type:	
Prepared By:		**Date:**	

Driver Info
Type:	Constant Current
120V:	0.82A
208V:	0.53A
240V:	0.46A
277V:	0.40A
Input Watts:	90W
Efficiency:	87%

LED Info
Watts:	78W
Color Temp:	4000K
Color Accuracy:	82 CRI
L70 Lifespan:	100000
Lumens:	6,828
Efficacy:	76 LPW

Precision 6H x 4V optics make this 78 Watt trunnion floodlight a great choice for illuminating large signs and building facades.

Color: Bronze   Weight: 27.5 lbs

Technical Specifications

Electrical

Photocell:

277V Swivel Photocell Included. Photocell is compatible with 208V-277V.

Drivers:

Constant current, Class 2, 100-277V, 50/60 Hz, 6kV Surge Protection, 720mA, 100-277V: 0.4A, THD <20%, Power Factor 89.7%

THD:

13.9% at 120V

Listings

UL Listing:

Suitable for wet locations. Suitable for ground mounting.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Effective Projected Area:

EPA = 1.2

Cold Weather Starting:

Minimum starting temperature is -40°F/-40°C

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures

Thermal Management:

Superior thermal management with external Air-Flow fins

Housing:

Precision die-cast aluminum housing and door frame

Mounting:

Trunnion mount with cord (18-3AWG STOOW 600V 105° wet location rated 3 ft.).

Lens:

Microprismatic diffusion lens for smooth and even light distribution

Reflector:

Vacuum-metalized, specular polycarbonate

Gaskets:

High-temperature silicone

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

LED Characteristics

LEDs:

Multi-chip, high-output, long-life LEDs

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Optical

NEMA Type:

NEMA Beam Spread of 6H x 4V

Replacement:

The CANVAS78 replaces 250W MH floodlights.

Other

Patents:

The design of CANVAS is protected by patents in pending patents in U.S., Canada, China, Taiwan and Mexico.

Technical Specifications (continued)

Other

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).
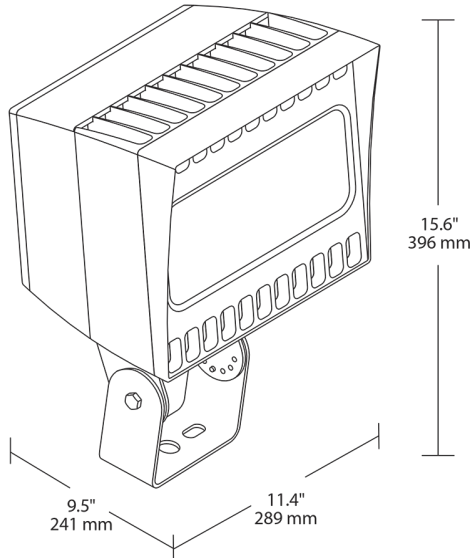
Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Dimensions

15.6"
396 mm

9.5"
241 mm

11.4"
289 mm

Features

Replaces 250W MH Floodlights

NEMA Type 6H x 4V ideal for signage & facades

Ultra-low field-to-beam ratio concentrates light where it's required

Microprismatic diffusion lens optimizes light output without glare

Superior thermal management with patent-pending "Airflow" technology

100,000-Hour LED lifespan

Ordering Matrix

Family	Watts	Mount	Color Temp	Finish	Photocell	Bi-Level
CANVAS						
	78 = 78W	**T** = Trunnion	**Blank** = 5000K (Cool)	**Blank** = Bronze	**Blank** = No Photocell	**Blank** = No Bi-Level
			Y = 3000K (Warm)	**W** = White	**/PC** = 120V Button	**/BL** = Bi-Level
			N = 4000K (Neutral)		**/PCS** = 120V Swivel	
					/PC2 = 277V Button	
					/PCS2 = 277V Swivel	

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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