SWISH2X2-29N/D10/E2

RAB®

Project:	Type:
Prepared By:	Date:

LED efficiency and performance in an economical 2'x2' center basket troffer with emergency battery-backup that will operate the fixture for at least 90 minutes if power fails.

Color: White   Weight: 17.7 lbs

Driver Info

Type	Constant Current
120V	0.24A
208V	0.14A
240V	0.12A
277V	0.11A
Input Watts	29.9W

LED Info

Watts	29W
Color Temp	4000K (Neutral)
Color Accuracy	85 CRI
L70 Lifespan	100,000 Hours
Lumens	4,039 lm
Efficacy	135.1 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for damp locations

IESNA LM-79 &lm-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNAlm-79 andlm-80

Trade Agreements Act Compliant:
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: PC4KH4TS

Electrical

Driver:
Class 2, Constant Current, 120-277V, 50/60Hz, 120V: 0.24A, 208V: 0.14A, 240V: 0.12A, 277V: 0.11A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
6.54% at 120V, 5.25% at 277V

Power Factor:
99.5% at 120V, 95.4% at 277V

Battery Backup:
Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

Surge Protection:
2.5kV

Battery Backup Light Loss Factor:
0.43

Construction

Cold Weather Starting:
The minimum starting temperature is -20°C (-4°F)

Ambient Temperature:
Suitable for use in up to 40°C (104°F)

IC Rated:
Suitable for direct contact with insulation

Housing:
Die-formed, 20-gauge, cold-rolled steel

Mounting:
Integral T-grid clips make installation easy and secure

Reflector:
High-reflectance, powder-coated finish, optimized for uniform light distribution

Lens:
Snap-in, frosted polycarbonate lens

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:
Long-life, high-efficacy, surface-mount LEDs

Color Stability:
LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Technical Specifications (continued)

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Other

Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.
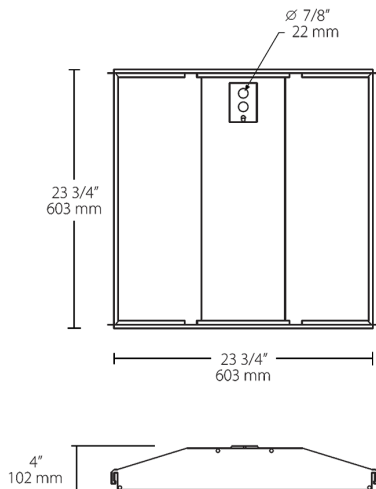
Patents:
This design is protected by patents pending in US, Canada, China, Taiwan and Mexico

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions

⌀ 7/8"
22 mm

23 3/4"
603 mm

23 3/4"
603 mm

4"
102 mm

Features

- Emergency battery back-up included
- Optional surface mount and dry wall frame kits available
- Optional programmable occupancy sensor for multi-level lighting control
- 0-10V dimming, standard on all models
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty

RAB®

Ordering Matrix

Family	Size		Wattage	Color Temp	Driver	Options	Chicago Penum
SWISH	2X2	–	29	N	/D10	/E2	

Size:
2X4 = 2' x 4'
2X2 = 2' x 2'

Wattage:
19 = 19W (2x2)
29 = 29W (2x2)
39 = 39W (2x4)
49 = 49W (2x4)

Color Temp:
Blank = 5000K Cool
N = 4000K Neutral
YN = 3500K Warm Neutral
Y = 3000K Warm

Driver:
/D10 = 0-10V Dimming

Options:
Blank = No Option
/E2 = Battery Backup
/LC = Lightcloud® Controller
/LC/E2 = Lightcloud® Controller w/ Battery Backup
/MVS = Microwave Occupancy Sensor
/MVS/E2 = Microwave Occupancy Sensor w/ Battery Backup

Chicago Penum:
Blank = Standard
/CP = Chicago Plenum

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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