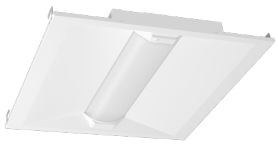
SWISH34 Field-Adjustable Troffer

SWISH34-1X4

SWISH34-2X2



SWISH34-2X4

PROJECT:

DATE:

TYPE:

PREPARED BY:

SWISH34 Field-Adjustable Troffer

FIELD ADJUSTABLE | 0-10V | BATTERY BACKUP | POWERED BY LIGHTCLOUD | WET RATED | 100,000 HOURS

- Available in 3 sizes with selectable wattages
  SWISH34-1X4: 30/25/18W - Factory default: 30W
  SWISH34-2X2: 30/25/18W - Factory default: 30W
  SWISH34-2X4: 40/35/30W - Factory default: 40W
- Field-Adjustable CCT: 3500/4000/5000K - Factory default: 4000K
- Voltage rating: **120-277V**
- Suitable for **damp** locations
- Suitable for **direct contact** with **insulation**
- Available with standard or Lightcloud Blue-enabled PIR/MVS sensors. Battery backup available
- **5-Year,** limited warranty

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed
Suitable for dry and damp locations

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

DLC ID: SWISH34-1X4 : S-6GLFQT
SWISH34-2X2 : S-9H1B2F
SWISH34-2X4 : S-518PBF

LED CHARACTERISTICS

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

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.

FIELD ADJUSTABILITY

Field Adjustable:
SWISH34-1X4: 30/25/18W - Factory default: 30W
SWISH34-2X2: 30/25/18W - Factory default: 30W
SWISH34-2X4: 40/35/30W - Factory default: 40W

Color temperature: 3500/4000/5000K (factory default 4000K)

CONSTRUCTION

Cold Weather Starting
Minimum starting temperature is -40°C (-40°F)

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

Cold Weather Starting with Battery Backup
Minimum starting temperature is 0°C (32°F)

Maximum Ambient Temperature with Battery Backup
Suitable for use in up to 50°C (122°F)

Mounting
Recessed into T-grid ceiling.

Lens
Polycarbonate

Housing / Finish
Sheet Metal

Green Technology
Mercury and UV free. RoHs-compliant components

Finish
Formulated for high durability and long lasting color

SWISH34 Field-Adjustable Troffer

TECHNICAL SPECIFICATIONS

ELECTRICAL

Drivers:
Isolated/Class 2, Constant Current, 120-277V, 50/60Hz
18W: 120V: 0.15A, 208V: 0.09A, 240V: 0.08A, 277V: 0.06A
25W: 120V: 0.21A, 208V: 0.12A, 240V: 0.10A, 277V: 0.09A
30W: 120V: 0.25A, 208V: 0.14A, 240V: 0.13A, 277V: 0.11A
35W: 120V: 0.29A, 208V: 0.17A, 240V: 0.15A, 277V: 0.13A
40W: 120V: 0.33A, 208V: 0.19A, 240V: 0.17A, 277V: 0.14A

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

Surge Protection:
L-N 2.5KV/LN-GND 2.5KV

THD: (4000K)
SWISH34-1X4 @30W: 3.9% at 120V, 3.4% at 277V
SWISH34-2X2 @30W: 3.7% at 120V, 4.4% at 277V
SWISH34-2X4 @40W: 6.2% at 120V, 4.5% at 277V

Power Factor: (4000K)
SWISH34-1X4 @30W: 99.7% at 120V, 95.1% at 277V
SWISH34-2X2 @30W: 99.7% at 120V, 96.2% at 277V
SWISH34-2X4 @40W: 99.6% at 120V, 96.4% at 277V

Battery Backup:
Battery backup will operate the LED Lamp for 90 minutes if power falls. Wired for 120-277V.

Battery Backup Light Loss Factor:
SWISH34-1X4: (4000K)
30W: 0.27
25W: 0.32
18W: 0.44

SWISH34-2X2:
30W: 0.27
25W: 0.32
18W: 0.44

SWISH34-2X4:
40W: 0.20
35W: 0.23
30W: 0.27

Note: All values are typical (tolerance +/- 10%)

WIRELESS NETWORK LIGHTING CONTROLS

Lightcloud-enabled products offer integrated network lighting control for a truly wireless solution that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and commercial applications. Each device can then communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls within any application.

DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)

Learn more at www.lightcloud.com

Lightcloud Blue (/LCB)

- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub.
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift.
- Download the Lightcloud Blue mobile app for iOS or Android devices.

LIGHTCLOUD (CONTINUED)

Lightcloud Enterprise (/LC)

- Utilizes a secure cellular and Zigbee mesh network that requires a Gateway or Hub (sold separately).
- Offers premium features like remote commissioning, demand response, BACnet integration, and more.
- Download the Lightcloud Enterprise mobile app for iOS or Android devices.

OCCUPANCY SENSORS

Sensor Type: Passive Infrared (PIR) or Microwave (MVS)

Input Voltage: 12VDC

Operating Frequency: 50/60Hz

Operating Temperature: -22°F to 104°F (-30°C to 40°C)

Max Mounting Height: 9 ft. to 12 ft.

Detection Range: 20 ft. diameter at 9 ft. mounting height

Daylight Sensing: The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set. Closed loop daylight harvesting with continuous dimming available with Lightcloud Blue. Specify settings using the Lightcloud Blue mobile app.

Default Settings:
Motion Sensitivity: High
Brightness when triggered : 100%
Hold time: 20 minutes
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off
Daylight: Disabled

Adjustable Settings: Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will require MSR1 Remote (sold separately) to adjust the following sensor settings:
Standby to dim: 10%/20%/30%/50%
Standby time: 0s/10s/30s/1min/5min/10min/30min/60min/+∞
Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

PERFORMANCE

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

OTHER

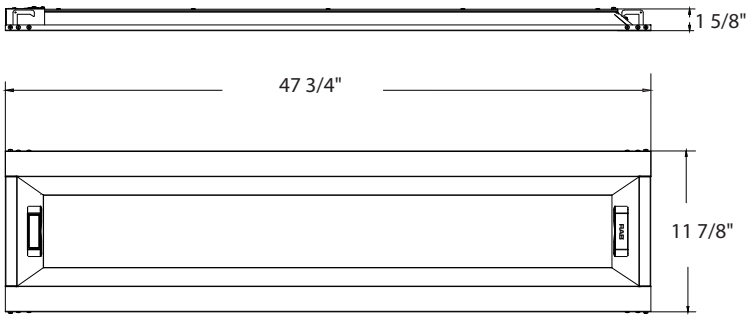
Warranty
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

SWISH34 Field-Adjustable Troffer

DIMENSIONS

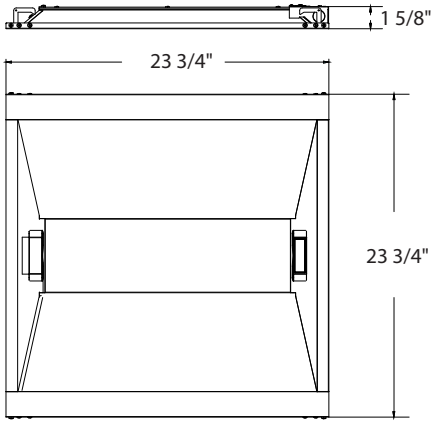
SWISH34-1X4

Weight: 6.2 Lbs
Weight: 7.1 Lbs (Models with battery backup)



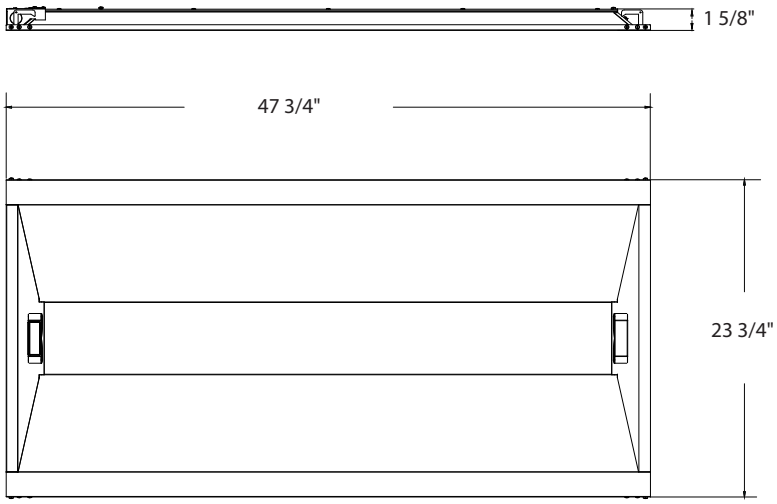
SWISH34-2X2

Weight: 5.2 Lbs
Weight: 6.1 Lbs (Models with battery backup)



SWISH34-2X4

Weight: 8.6 Lbs
Weight: 9.5 Lbs (Models with battery backup)



SWISH34 Field-Adjustable Troffer

PERFORMANCE

SWISH34-1X4	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	30W			25W			18W		
INPUT WATTS	29.00W	28.06W	29.17W	24.97W	24.16W	25.06W	17.91W	17.47W	18.00W
LUMENS	3,930	4,104	4,109	3,447	3,568	3,576	2,538	2,607	2,639
LM/W	135.5	146.3	140.9	138.1	147.7	142.7	141.7	149.2	146.6
CRI	86	87	85	86	87	85	86	87	85
VOLTAGE	120-277V			120-277V			120-277V		

SWISH34-2X2	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	30W			25W			18W		
INPUT WATTS	29.02W	28.04W	28.99W	25.01W	24.25W	24.98W	18.42W	17.69W	18.31W
LUMENS	3,635	3,650	3,700	3,209	3,240	3,267	2,415	2,397	2,449
LM/W	125.3	130.2	127.6	128.3	133.6	130.8	131.1	135.5	133.8
CRI	85	86	86	85	86	86	85	86	86
VOLTAGE	120-277V			120-277V			120-277V		

SWISH34-2X4	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	40W			35W			30W		
INPUT WATTS	39.96 W	39.20W	39.87W	34.88W	34.14W	34.79W	30.11 w	29.73W	30.04W
LUMENS	5,208	5,509	5,387	4,650	4,875	4,808	4,140	4,310	4,269
LM/W	130.3	140.5	135.1	133.3	142.8	138.2	137.5	145.0	142.1
CRI	85	85	84	85	85	84	85	85	84
VOLTAGE	120-277V			120-277V			120-277V		

ACCESSORIES *(to be ordered separately)*

IMAGE	SKU#	UPC	DESCRIPTION
	MSR1	192552026055	MULTI-SENSOR REMOTE CONTROL IP20

SWISH34 Field-Adjustable Troffer

ORDERING MATRIX

SWISH34

Family		Length/Wattages	Color Temperature	Finish	Driver	Options
SWISH34	-					

Length/Wattages		Color Temperature		Finish		Driver		Options	
1X4	1'X4' (30/25/18W)	**Blank**	3500/4000/5000K CCT Adjustable	**Blank**	White	**Blank**	120-277V, 0-10V Dimming	**Blank**	No Option
2X2	2'X2' (30/25/18W)							**/E**	Battery Backup
2X4	2'X4' (40/35/30W)							**/LC**	Lightcloud® Controller
								/MVS	Microwave Occupancy Sensor
								/PIR	PIR Occupancy Sensor
								/LCBS/MVS	Lightcloud Blue enabled w/Occupancy Sensor
								/LCBS	Lightcloud® Blue enabled w/PIR Sensor
								/LC/E	Lightcloud® Controller w/ Battery Backup
								/MVS/E	Microwave Occupancy Sensor w/ Battery Backup
								/PIR/E	PIR Occupancy Sensor w/ Battery Backup
								/LCBS/MVS/E	Lightcloud Blue enabled MVS Occupancy Sensor w/ Battery Backup
								/LCBS/E	Lightcloud® Blue PIR Sensor w/ Battery Backup