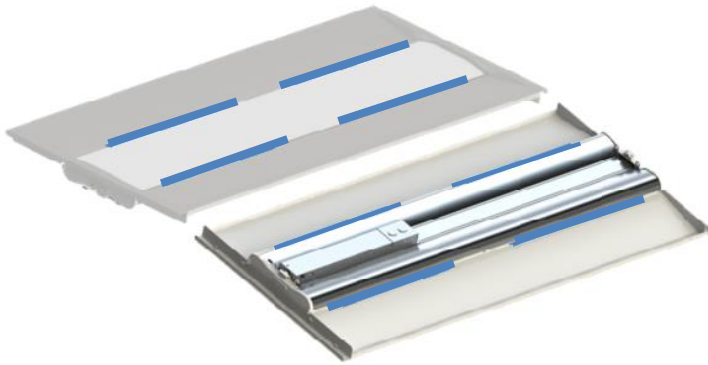


BT14 (2x4) 24W & 32W Air Return Series



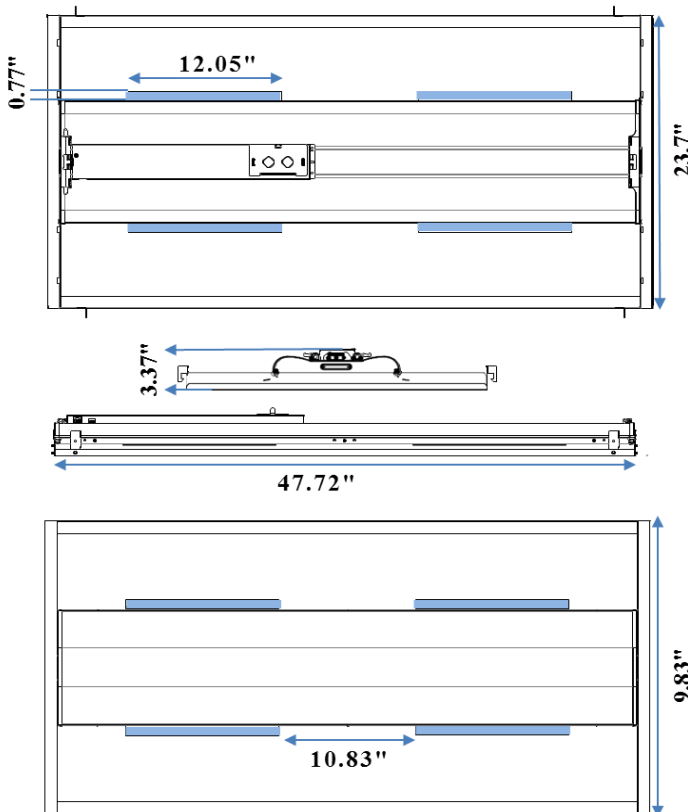
Product Description

- System Input Power: 24W, 32W
- Efficacy: 105 lm/W, 100 lm/W
- Input Frequency: 50/60Hz

Product Specification Options:

- **DM/ZT - 0~10 Volt Dimming**
- **SKCT – Color Tuning**

Dimensions Frame with Air Return



Control Options:

BT14 AR series can be controlled with standard 0-10V LED dimmers. Tested 0-10V LED Dimmers include:

- Lutron – DIVA
- WattStopper - DLM

SKCT – Color Tuning

- BT Smart System is an advanced tunable office lighting system that can provide daylight simulation between 2,700K to 6,500K, while dynamically interacting with both occupancy and photo sensors.

Performance	BT14-024ZT-R4	BT14-032ZT-R4
Luminous Flux(lm)	2896.97 lm	3747.79 lm
Power Consumption	24W	32W
Power factor	> 0.9	
Efficacy(lm/W)	119.2 lm/W	119.2 lm/W
CCT(K)	3000K / 4000K / 5000K	
CRI(Ra)	85.3	87.8
Beam Angle(°)	110	
Input Voltage(V)	100 - 277Vac	
Operating Temp	-20°C~45°C	
※ Tolerance Range : ± 10%		

Physical Info

Dimension (in)	44.72" x 23.7" x 3.37"
Luminous active(mm)	44.9" x 9.7"
Weight	< 16.9 lbs.

Certification & Qualification



Only DLC Listed are:
BT14-032 (32W)

ORDERING INFORMATION

BT	14	-032	ZT	40	R4-AR
Model	Light Panel Size	Wattage	Control Option	CCT	Mounting
BT Troffer	1' x 4'	024 24 Watt 032 32 Watt	SK Smart Kelvin control <u>ZT 0-10V Dimming</u>	CT Tunable (SK Only) 30 3000K 40 4000K 50 5000K	R4 Recessed 2x4 P Pendant AR Air Return

SAMJIN's U.S. Sales Partner ~
Controlled Lighting Corp.
NY – 914-806-6684 ~ CA – 415-935-1346
sales@controlledlighting.net

SAMJIN LED Inc.
900 Lane Avenue, Suite 170, Chula Vista, CA 91914
lighting@samjinled.com

Rev. 3/1/18
Specifications subject
to change without
notice.

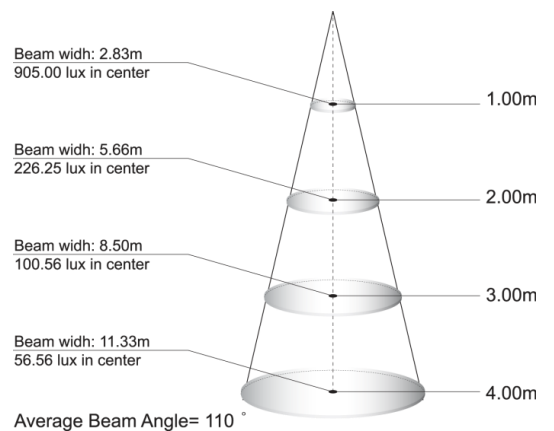
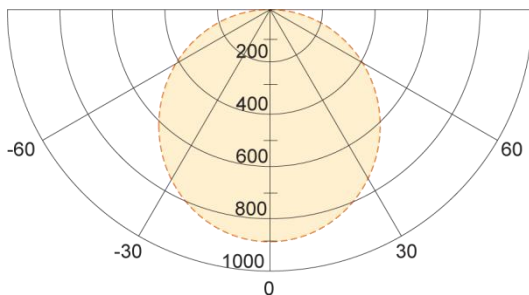
Luminous Intensity Table

θ/Φ	0°	30°	60°	90°
0°	905	905	905	905
15°	867	867	865	864
30°	757	755	750	748
45°	590	588	581	578
60°	390	387	377	374
75°	207	194	162	154
90°	2	2	2	2

Luminous Flux Table

Cone	Lumens	Luminaire %
0°~32.5°	802	32
32.5°~62.5°	1272	50
62.5°~90°	462	18
0~90°	2535	100
90°~180°	0	0
0°~180°	2535	100

Light Distribution & Distance Luminary – BT14-024ZT/SD-R4



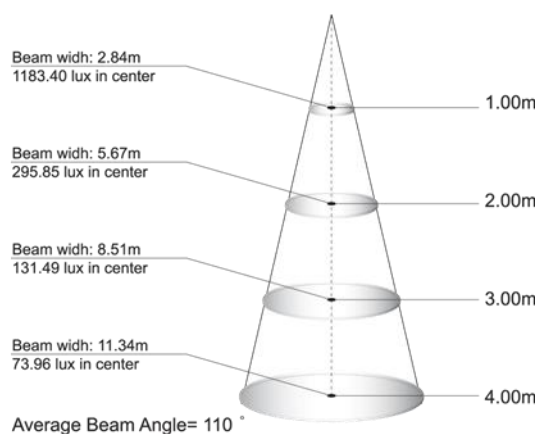
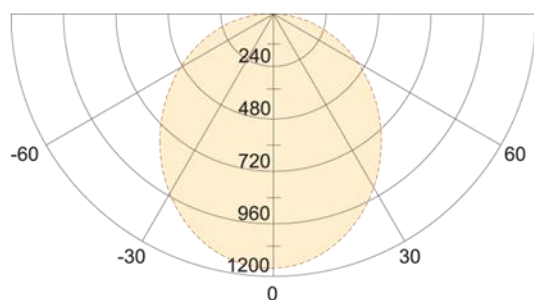
Luminous Intensity Table

θ/Φ	0°	30°	60°	90°
0°	1183	1183	1183	1183
15°	1133	1132	1130	1129
30°	987	986	980	978
45°	770	768	759	756
60°	510	505	493	489
75°	271	255	213	200
90°	3	3	3	3

Luminous Flux Table

Cone	Lumens	Luminaire %
0°~32.5°	1049	32
32.5°~62.5°	1663	50
62.5°~90°	604	18
0~90°	3316	100
90°~180°	0	0
0°~180°	3316	100

Light Distribution & Distance Luminary – BT14-032ZT/SD-R4



BT14 (2x4) 24W & 32W Air Return Series **SAMJIN®**

BT14-024 & 032 (AR) Air Return Series With EB

SAMJIN LED BT Luminaire With an integral Emergency Battery Kit

FEATURES

SAMJIN LED Flat Panel recessed troffer luminaire with an integral **Philips Bodine Emergency LED Driver (BSL17C)** is configured with a 90-minute Battery Pack, compliant with the NFPA 101 Life Safety Code

Operation

When AC power fails, it immediately switches to the emergency mode, operating the LEDs for 90 minutes. When AC power restored the emergency driver automatically returns to normal mode.
Recharge Time: 24Hrs.
Warranty: 5 years

Emergency LED Driver (BSL17C) Performance Summary

Delivered Light Output: 1300 (PLUS) lumens
Input Voltage: 120-277VAC
Input Current: 60 [Hz]
Input Power: 3.0 W
Output Voltage: $V_o = 30\sim 80$ [VDC]
Output Current: $I_o = 200$ [mA] (Max)
Output Power: 7.0 W (Max)

Battery Sustainability Time

Illumination Time: 90 minute or more
Recharge Time: 24Hrs.
Test Switch: Indicator

Certification

UL 924 Issue:2006/02/24 Ed:9 Rev:2011/02/18
UL Standard for Safety Emergency Lighting and Power Equipment
CSA C22.2#141 Issue:2010/09/01 Ed:4 Unit Equipment for Emergency Lighting)



Ordering Information

Reference SAMJIN Troffer specsheets for ordering details.