

# 2x2 BEETLE RETROFIT KIT(24W)



## Wireless Controlled SKCT - SMART Dimming "Color Tuning"



### Product Description

- System Input Power: 24W
- Efficacy: 115 lm/W
- Input Frequency: 50/60Hz
- CCT: 2700K ~ 6500K
- Wireless controls w/SMART Dimming & Color tunable

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

## Product Specification Options: SKCT - SMART Dimming "Color Tuning"

PERFORMANCE	BT22K-024SKCTSUS
Light Output (lm)	2,760
Power (W)	24
LPW (lm/W)	115
CCT (K)	"2700K ~ 6500K"
CRI (Ra)	>80
Power Factor	>0.9
Input Voltage	120 – 277

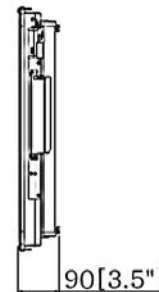
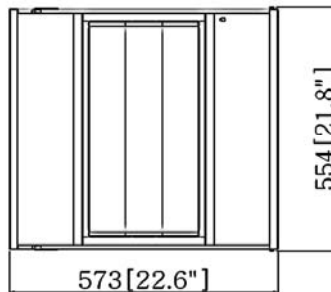
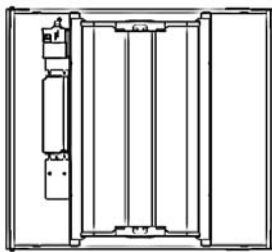
\* Tolerance Range : ± 10%

PHYSICAL INFO	L×W×H
Dimension (mm / inch)	554x573x90 / 21.8x22.6x3.5
Weight (kg / lb)	3.2 / 7.1

### CERTIFICATIONS & QUALIFICATIONS



### DIMENSIONS



### ORDERING INFORMATION

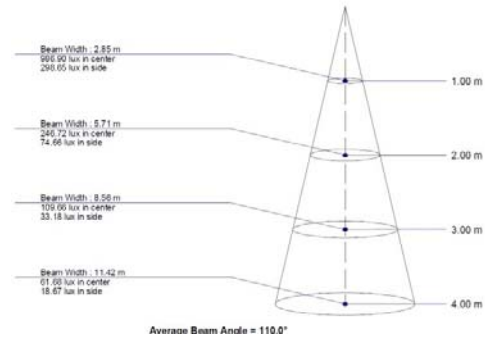
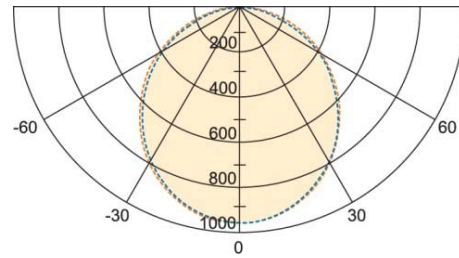
BT	22K	024	SK	CT	SUS
Model	Light Panel Size	Wattage	Control Option	CCT	US Standard
Beetle Troffer	2' x 2' Retrofit Kit	024 - 24 Watt	SK Smart Kelvin control	CT Tunable	Recessed

U.S. Sales Partner ~  
Controlled Lighting Corp.  
NY – 914-806-6684 ~ CA - 415-935-1346  
[sales@controlledlighting.net](mailto:sales@controlledlighting.net)

SAMJIN LED Inc.  
900 Lane Avenue, Suite 170, Chula Vista, CA 91914  
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Rev. 02/15/16  
Specifications subject to change without notice.

## LIGHT DISTRIBUTION & DISTANCE LUMINARY



## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	Luminaire
0~30	875	32	32
30~60	1,393	50	50
60~90	493	18	18
0~90	2,760	100	100

## COEFFICIENTS OF UTILIZATION

RC	90				70				50			0
	RW 60	50	30	10	60	50	30	10	50	30	10	0
<b>RCR (0)</b>	1.10	1.10	1.10	1.10	1.08	1.08	1.08	1.08	1.05	1.05	1.05	1.00
<b>1</b>	1.00	0.98	0.94	0.91	0.97	0.95	0.92	0.89	0.93	0.90	0.88	0.83
<b>2</b>	0.90	0.86	0.80	0.75	0.87	0.84	0.78	0.74	0.82	0.77	0.73	0.69
<b>3</b>	0.81	0.76	0.69	0.63	0.78	0.74	0.67	0.62	0.72	0.66	0.61	0.58
<b>4</b>	0.73	0.68	0.60	0.53	0.71	0.66	0.59	0.53	0.64	0.58	0.52	0.50
<b>5</b>	0.67	0.61	0.53	0.46	0.64	0.59	0.52	0.46	0.58	0.51	0.45	0.43
<b>6</b>	0.61	0.55	0.47	0.40	0.59	0.54	0.46	0.40	0.52	0.45	0.40	0.37
<b>7</b>	0.56	0.50	0.42	0.36	0.54	0.49	0.41	0.35	0.48	0.40	0.35	0.33
<b>8</b>	0.52	0.46	0.38	0.32	0.50	0.45	0.37	0.32	0.44	0.37	0.31	0.29
<b>9</b>	0.48	0.42	0.34	0.29	0.46	0.41	0.34	0.28	0.40	0.33	0.28	0.26
<b>10</b>	0.45	0.39	0.31	0.26	0.43	0.38	0.31	0.26	0.37	0.30	0.26	0.24

CR = Room Cavity Ratio  
 RC = Effective Ceiling Cavity Reflectance  
 RW = Wall Reflectance