

# AT05.V5 LED DOWNLIGHT

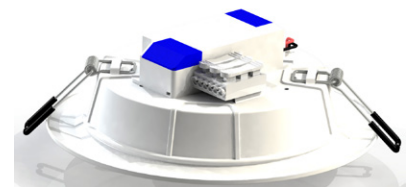


## \* Product features:

- Aesthetic and elegant design, suitable for Korean market
- High-quality LEDs provided by Samsung/ Seoul Semiconductor/ Nichia/ Lumiled with excellent performance
- Aluminum PCB to ensure optimal heat dissipation
- Dust and insect proof design IP20
- High luminous efficacy up to 110 lm/W
- Long lifespan: 25,000 hours, saving the maintenance cost
- Flicker-free, EMC
- KC, CE certified
- Options:
  - + Type 1: AC direct
  - + Type 2: High efficacy
  - + Type 3: 3-CCT Changeable - AC direct
  - + Type 4: 3-CCT Changeable - High efficacy
  - + Type 5: 3-Step Dimming
  - + Type 6: PIR sensor

## \* Applications:

- Supermarket, offices, hospital, housing, etc.



## TYPE 1: AC DIRECT

### PRODUCT FEATURES

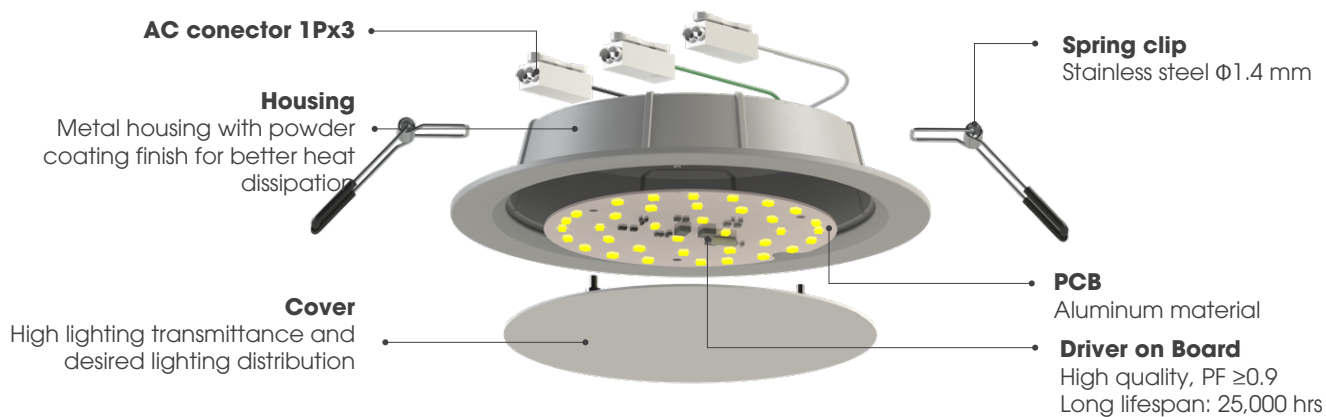
- DOB driver
- Aluminum PCB
- Metal housing with powder coating finish for better heat dissipation
- LED provided by Samsung, Seoul semiconductor
- Various sizes available with power ranges from 7 to 30W



4/6/8-inch



### PRODUCT DETAILS



### PRODUCT SPECIFICATIONS

Model	Dimension ØxH (mm)	Power (W)	Voltage/ Frequency (V/Hz)	Power factor	Luminous flux (lm)	Luminous Efficacy (lm/W)	CCT (K)	Beam angle (°)	Cut out Øc (mm)	Lifespan (hrs)	Market
AT05.V5-AC-4IN-10W	120x28	10	220/60	≥ 0.9	900	90	5700	110	90	25,000	
AT05.V5-AC-6IN-12W	180x34	12	220/60	≥ 0.9	1080	90	5700	110	155	25,000	
AT05.V5-AC-6IN-15W	180x34	15	220/60	≥ 0.9	1350	90	5700	110	155	25,000	
AT05.V5-AC-6IN-15W.HE	180x34	15	220/60	≥ 0.9	1575	105	5700	110	155	25,000	
AT05.V5-AC-6IN-20W	180x34	20	220/60	≥ 0.9	1800	90	5700	110	155	25,000	
AT05.V5-AC-8IN-30W	225x34	30	220/60	≥ 0.9	2700	90	5700	110	200	25,000	
AT05.V5-AC-8IN-30W.HE	225x34	30	220/60	≥ 0.9	3300	110	5700	110	200	25,000	

## TYPE 2: HIGH EFFICACY

### PRODUCT FEATURES

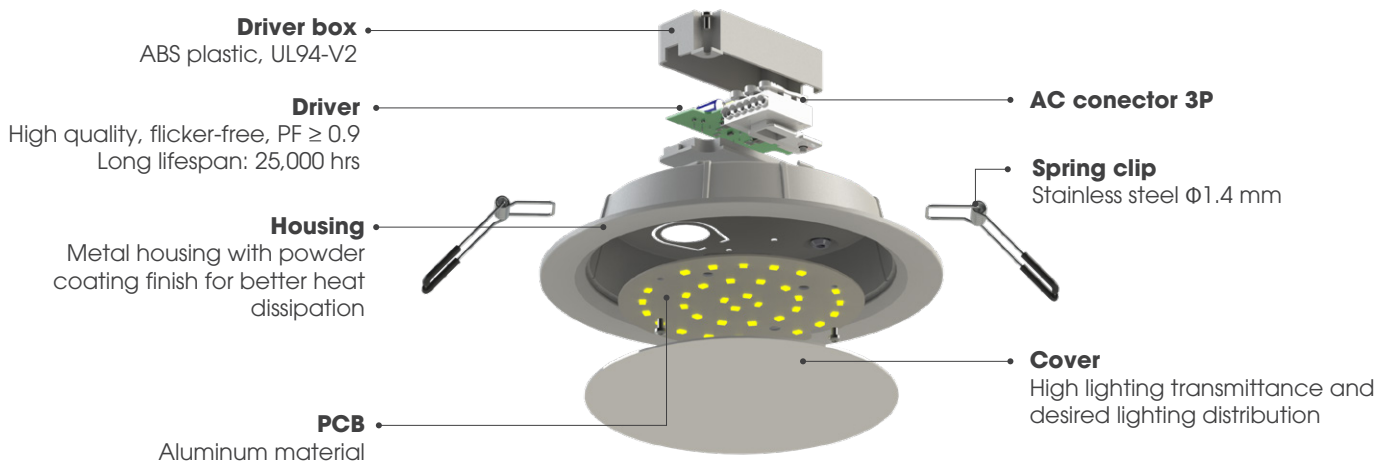
- High luminous efficacy (over 105lm/W)
- Aluminum PCB
- Metal housing with powder coating finish for better heat dissipation
- LED provided by Samsung, Seoul semiconductor
- Power factor  $\geq 0.9$ , flicker free
- Wide voltage range: 170 ÷ 250V









4/6/8-inch



### PRODUCT DETAILS



### PRODUCT SPECIFICATIONS

Model	Dimension $\Phi \times H$ (mm)	Power (W)	Voltage/ Frequency (V/Hz)	Power factor	Luminous flux (lm)	Luminous Efficacy (lm/W)	CCT (K)	Beam angle (°)	Cut out $\Phi c$ (mm)	Lifespan (hrs)	Market
AT05.V5-4IN-10W.HE	120x28	10	220/60	$\geq 0.9$	1050	105	5700	110	90	25,000	
AT05.V5-6IN-10W.HE	180x57	10	220/60	$\geq 0.9$	1050	105	5700	110	155	25,000	
AT05.V5-6IN-12W.HE	180x57	12	220/60	$\geq 0.9$	1260	105	5700	110	155	25,000	
AT05.V5-6IN-15W.HE	180x57	15	220/60	$\geq 0.9$	1575	105	5700	110	155	25,000	
AT05.V5-6IN-20W.HE	180x57	20	220/60	$\geq 0.9$	2100	105	5700	110	155	25,000	
AT05.V5-8IN-30W.HE	225x57	30	220/60	$\geq 0.9$	3300	110	5700	110	200	25,000	

## TYPE 3: 3-CCT CHANGEABLE - AC DIRECT

### PRODUCT FEATURES

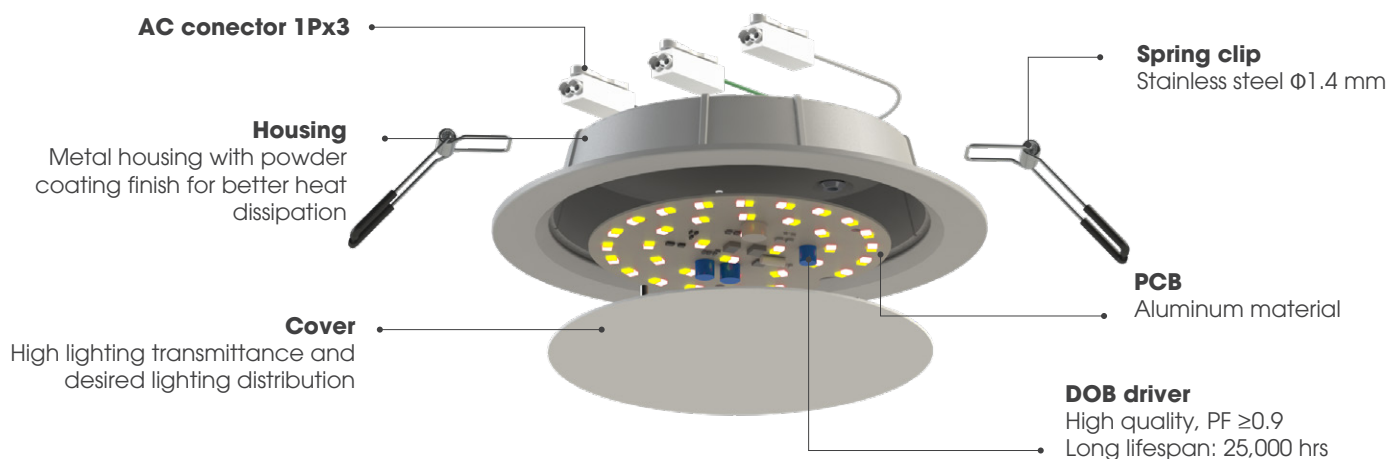
- CCT can be adjusted by wall switch: 3000K - 4000K - 6500K
- DOB driver
- AC voltage range: 200 ÷ 240V
- Power factor  $\geq 0.9$
- Metal housing with powder coating finish for better heat dissipation
- LED provided by Samsung, Seoul semiconductor



6/8-inch



### PRODUCT DETAILS



### PRODUCT SPECIFICATIONS

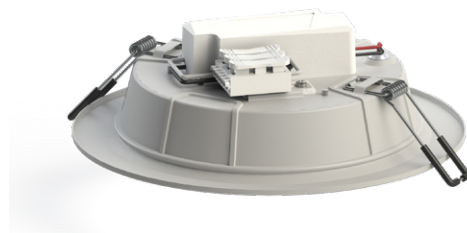
Model	Dimension $\Phi \times H$ (mm)	Power (W)	Voltage/ Frequency (V/Hz)	Power factor	Luminous flux (lm)	Luminous Efficacy (lm/W)	CCT (K)	Beam angle (°)	Cut out $\Phi c$ (mm)	Lifespan (hrs)	Market
AT05.V5-AC-6IN-10W.CCT	180x34	10	220/60	$\geq 0.9$	900	90	3000-4000-6500	110	155	25,000	
AT05.V5-AC-6IN-12W.CCT	180x34	12	220/60	$\geq 0.9$	1080	90	3000-4000-6500	110	155	25,000	
AT05.V5-AC-6IN-15W.CCT	180x34	15	220/60	$\geq 0.9$	1350	90	3000-4000-6500	110	155	25,000	
AT05.V5-AC-6IN-20W.CCT	180x34	20	220/60	$\geq 0.9$	1800	90	3000-4000-6500	110	155	25,000	
AT05.V5-AC-8IN-30W.CCT	225x34	30	220/60	$\geq 0.9$	2700	90	3000-4000-6500	110	200	25,000	



## TYPE 4: 3-CCT CHANGEABLE - HIGH EFFICACY

### PRODUCT FEATURES

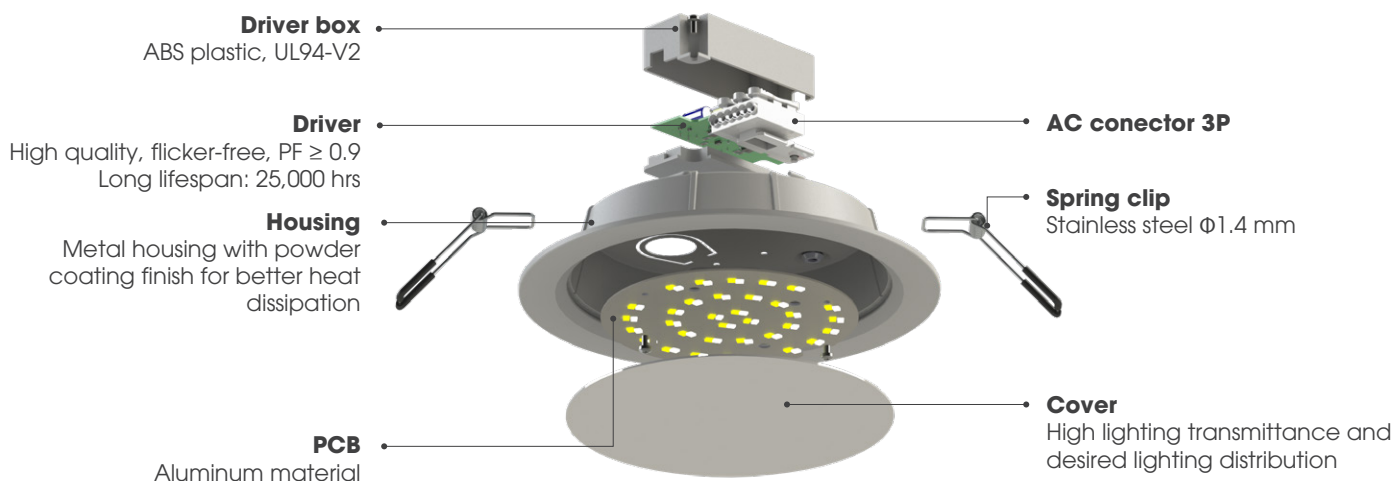
- CCT can be adjusted by wall switch: 3000K - 4000K - 6500K
- High luminous efficacy (over 105lm/W)
- Power factor  $\geq 0.9$ , flicker free
- Wide voltage range: 170 ÷ 260V
- Metal housing with powder coating finish for better heat dissipation
- LED provided by Samsung, Seoul semiconductor



4/6/8-inch



### PRODUCT DETAILS



### PRODUCT SPECIFICATIONS

Model	Dimension ØxH (mm)	Power (W)	Voltage/ Frequency (V/Hz)	Power factor	Luminous flux (lm)	Luminous Efficacy (lm/W)	CCT (K)	Beam angle (°)	Cut out Øc (mm)	Lifespan (hrs)	Market
AT05.V5-4IN-10W.HE.CCT	120x28	10	220/60	$\geq 0.9$	1050	105	3000-4000-6500	110	90	25,000	
AT05.V5-6IN-10W.HE.CCT	180x57	10	220/60	$\geq 0.9$	1050	105	3000-4000-6500	110	155	25,000	
AT05.V5-6IN-12W.HE.CCT	180x57	12	220/60	$\geq 0.9$	1260	105	3000-4000-6500	110	155	25,000	
AT05.V5-6IN-15W.HE.CCT	180x57	15	220/60	$\geq 0.9$	1575	105	3000-4000-6500	110	155	25,000	
AT05.V5-6IN-20W.HE.CCT	180x57	20	220/60	$\geq 0.9$	2100	105	3000-4000-6500	110	155	25,000	
AT05.V5-8IN-30W.HE.CCT	225x57	30	220/60	$\geq 0.9$	3300	110	3000-4000-6500	110	200	25,000	

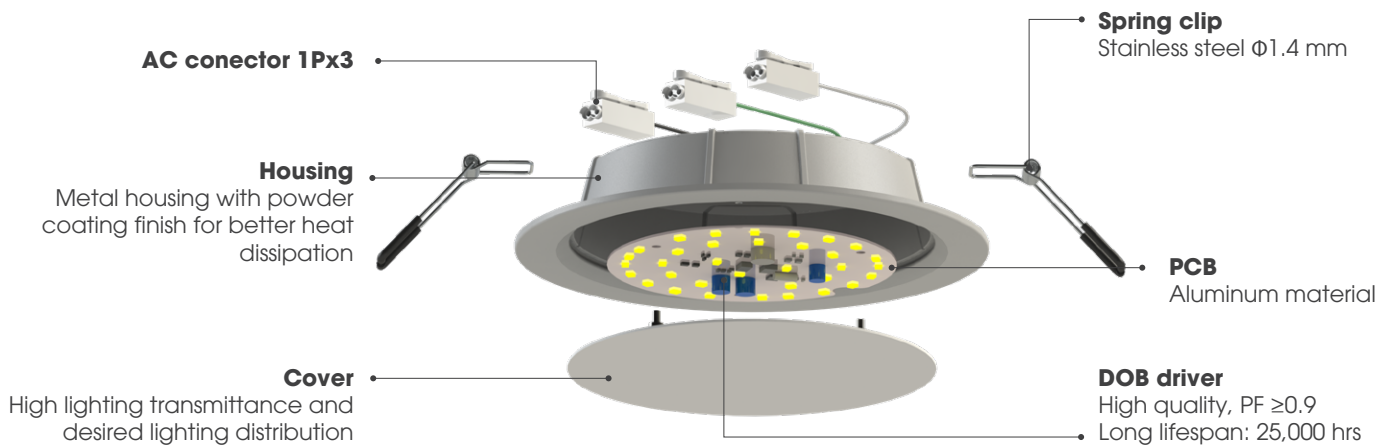
## TYPE 5: 3-STEP DIMMING

### PRODUCT FEATURES






- Dimmable at 3 levels of brightness by wall switch: 100% - 50% - 20%
- DOB driver
- AC voltage range: 200 ÷ 240V
- Power factor  $\geq 0.9$
- Metal housing with powder coating finish for better heat dissipation
- LED provided by Samsung, Seoul semiconductor



### PRODUCT DETAILS



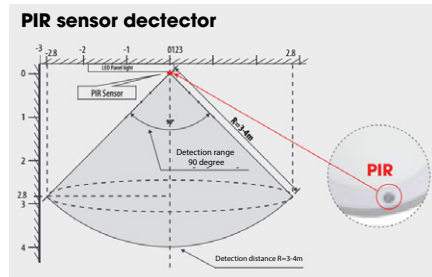
### PRODUCT SPECIFICATIONS

Model	Dimension $\Phi \times H$ (mm)	Power (W)	Voltage/ Frequency (V/Hz)	Power factor	Luminous flux (lm)	Luminous Efficacy (lm/W)	CCT (K)	Beam angle (°)	Cut out $\Phi c$ (mm)	Lifespan (hrs)	Market
AT05.V5-AC-6IN-10W.DIM	180x34	10	220/60	$\geq 0.9$	900	90	5700	110	155	25,000	
AT05.V5-AC-6IN-12W.DIM	180x34	12	220/60	$\geq 0.9$	1080	90	5700	110	155	25,000	
AT05.V5-AC-6IN-15W.DIM	180x34	15	220/60	$\geq 0.9$	1350	90	5700	110	155	25,000	
AT05.V5-AC-6IN-20W.DIM	180x34	20	220/60	$\geq 0.9$	1800	90	5700	110	155	25,000	
AT05.V5-AC-8IN-30W.DIM	225x34	30	220/60	$\geq 0.9$	2700	90	5700	110	200	25,000	

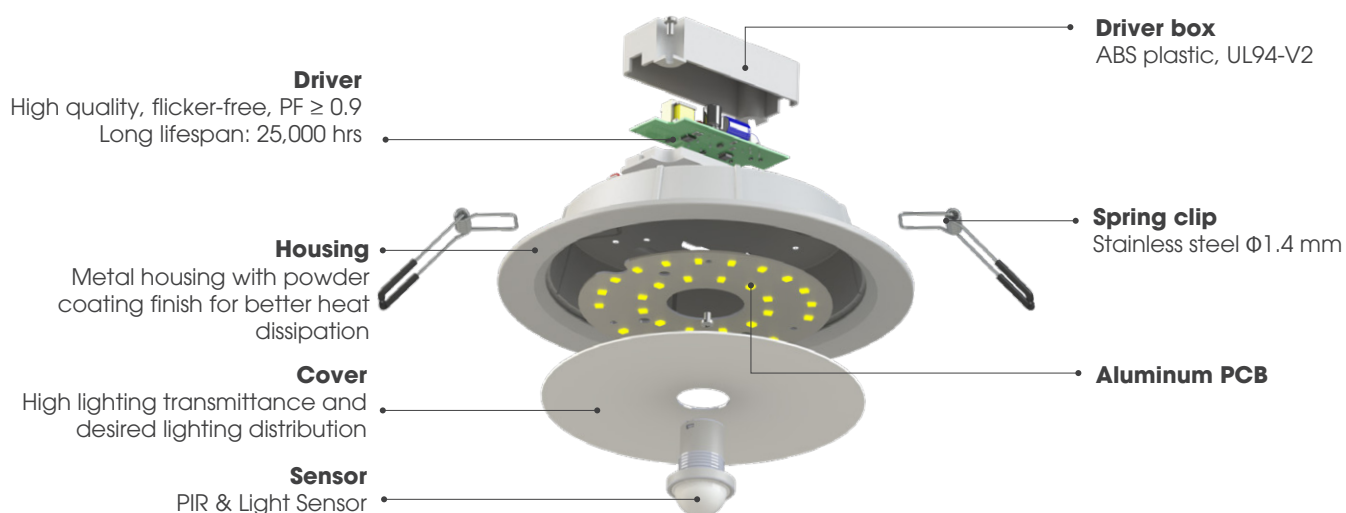
## TYPE 6: PIR SENSOR

### PRODUCT FEATURES



- Built-in PIR sensor has a detection distance of 3-4 meters, with a 90° angle of detection
- High luminous efficacy (over 105lm/W)
- Power factor  $\geq 0.9$ , flicker free
- Wide voltage range: 170 ÷ 250V
- Metal housing with powder coating finish for better heat dissipation
- LED provided by Samsung, Seoul semiconductor



### PRODUCT DETAILS



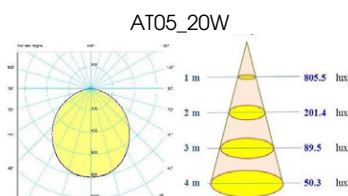
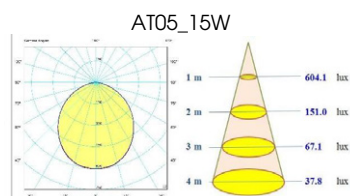
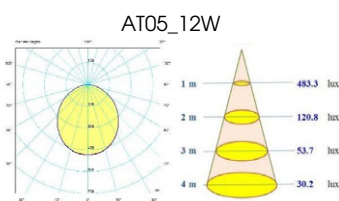
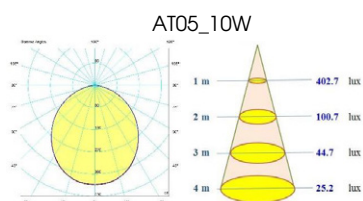
### PRODUCT SPECIFICATIONS

Model	Dimension ØxH (mm)	Power (W)	Voltage/ Frequency (V/Hz)	Power factor	Luminous flux (lm)	Luminous Efficacy (lm/W)	CCT (K)	Beam angle (°)	Cut out Øc (mm)	Lifespan (hrs)	Market
AT05.V5-6IN-15W.HE.PIR	180x57	15	220/60	$\geq 0.9$	1575	$\geq 105$	5700	110	155	25,000	
AT05.V5-6IN-20W.HE.PIR	180x57	20	220/60	$\geq 0.9$	2100	$\geq 105$	5700	110	155	25,000	

**Capacity:** 11.2 million pieces per year

**Customizable:** Power (7/10/12/15/20/30W), Voltage (120/220÷240/100÷277), PF (05/09), lm/W, CCT (3000/4000/5000/5700/6500K), lifespan, etc.

## LUMINOUS INTENSITY DISTRIBUTION



## PACKING AND TRANSPORTATION



Type of lamps	Quantity in master box (pcs)	Estimated quantity / 20'DC (pcs)	Estimated quantity / 40'HC (pcs)
AT05.V5 3IN/7W, AC-IC driver	24	80 832	185 640
AT05.V5 3IN/7W, Buck driver	24	46 800	107 448
AT05.V5 4IN/10W, AC-IC driver	24	50 808	116 664
AT05.V5 4IN/10W, Buck driver	24	32 640	74 952
AT05.V5 5IN/10W, AC-IC driver	24	30 432	69 888
AT05.V5 5IN/10W, Buck driver	24	28 392	65 184
AT05.V5 6IN/10/12/15/20W, AC-IC driver	12	19 212	44 124
AT05.V5 6IN/10/12/15/20W, Buck driver	12	12 948	29 748
AT05.V5 8IN/30W, AC-IC driver	12	9 288	21 336
AT05.V5 8IN/30W, Buck driver	12	6 792	15 588



Exported market: South Korea, EU, etc



### RANG DONG LIGHT SOURCE AND VACUUM FLASK JOINT STOCK COMPANY

Add: 87- 89 Ha Dinh Street, Thanh Xuan, Hanoi, Vietnam

Tel: (84-24) 3 858 4310 / 3 858 4165

Fax: (84-24) 3 858 5038

Email: export@rangdong.com.vn



Specifications are subject to change without prior notice