

## Artco Series



LM80

3/5 Yrs  
Warranty



SAA

IP20

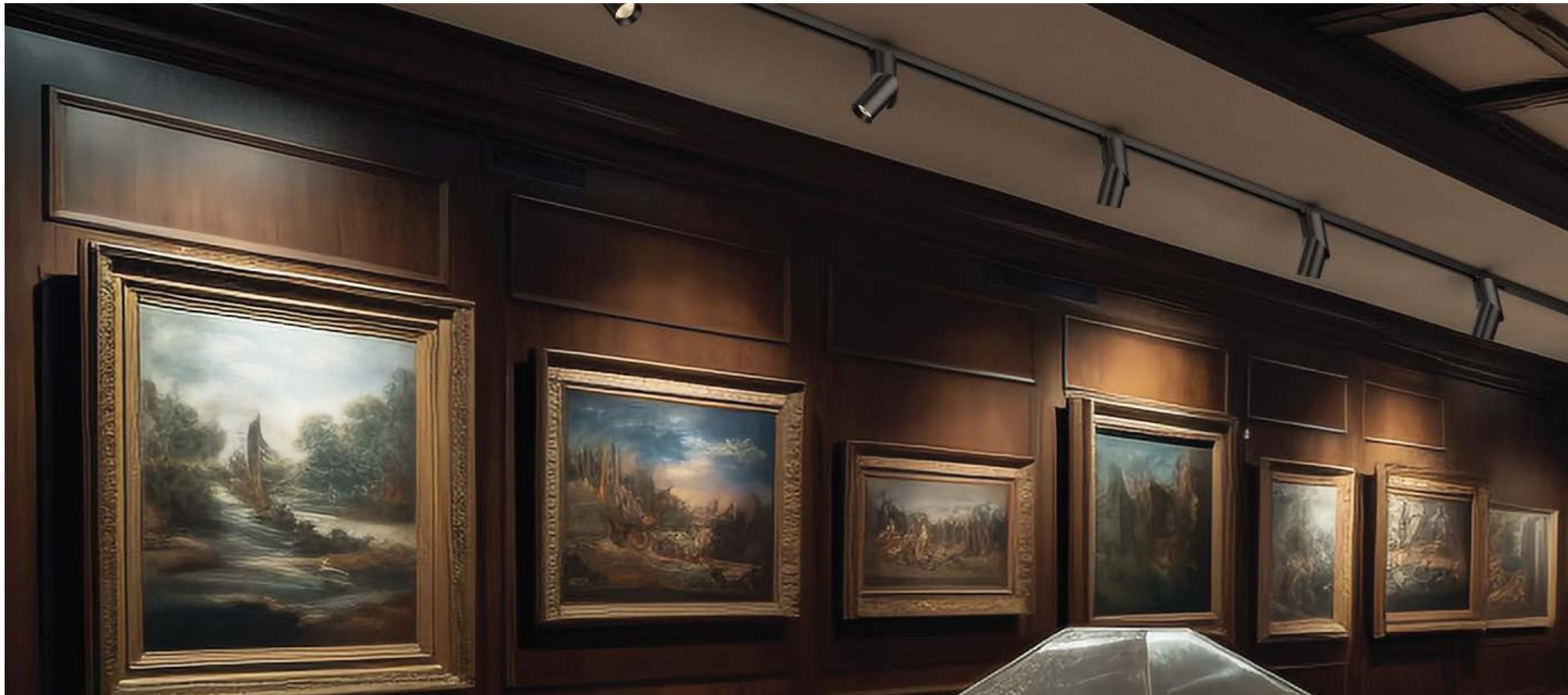
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## Introduction

This Artco series features a sleek and refined design with a professional lighting output. The lighting and power components are designed independently to enhance heat dissipation and overall lamp performance. It utilizes a modular lamp body compatible with three installation options: track, pendant surface, and surface-mounted. Additionally, the lamp body offers 90-degree vertical rotation and over 315-degree horizontal rotation, enabling precise directional focus lighting.

## Features

- Two size options: Ø65mm, Ø85mm
- Multiple installation ways: track/ surface pendant/ surface mounted
- Honeycomb cover available for UGR<19
- Interchangeable CCT(3000K+4000K+5000K) with DIP switch
- Finished color: RAL9016 White, RAL9005 black
- Internal flicker free driver for on / off, Triac dim and DALI dim

## Application Areas

Applicable for commercial lighting in office, hotel, restaurant, shops, supermarket, art-gallery, museum, etc; Also suitable for residential lighting for bedroom, living room, corridor, etc.

# DYI Design

Pendant



Surface mount



Module

Track (Standard)



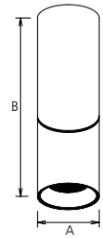
Track (Dali)



# Measurement

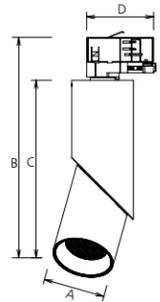


## GUART-SM



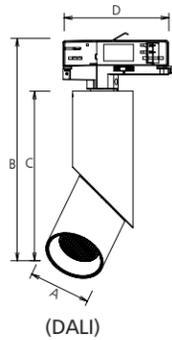
Code	Dimension(mm)		Size(mm)
	A	B	
GUART-SM-65	Ø65	206	Ø65*206
GUART-SM-85	Ø85	232	Ø85*232

## GUART-TL



### Standard

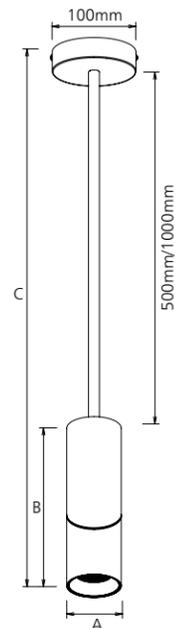
Code	Dimension(mm)				Size(mm)
	A	B	C	D	
GUART-TL-65	Ø65	248	206	70	Ø65*248
GUART-TL-85	Ø85	278	232	70	Ø85*278



### Dali

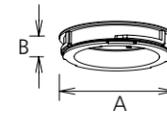
Code	Dimension(mm)				Size(mm)
	A	B	C	D	
GUART-TL-65-DALI	Ø65	259	206	113	Ø65*259
GUART-TL-85-DALI	Ø85	289	232	113	Ø85*289

## GUART-PD



Code	Dimension(mm)			Size(mm)
	A	B	C	
GUART-PD-65-500	Ø65	206	731	Ø65*731
GUART-PD-65-1000	Ø65	206	1231	Ø65*1231
GUART-PD-85-500	Ø85	232	757	Ø85*757
GUART-PD-85-1000	Ø85	232	1257	Ø85*1257

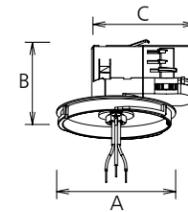
## Surface mount canopy



### ACC-SM65/85

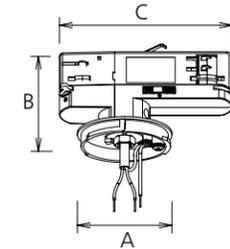
Code	Dimension(mm)		Size(mm)
	A	B	
ACC-SM-65	Ø62	11.5	Ø62*11.5
ACC-SM-85	Ø82	11.5	Ø82*11.5

## Track adaptor



### ACC-TL65/85 Standard

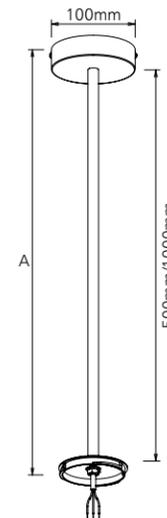
Code	Dimension(mm)			Size(mm)
	A	B	C	
ACC-TL-65-BK-4	Ø62	54	70	Ø62*60
ACC-TL-85-BK-4	Ø82	54	70	Ø82*60



### ACC-TL65/85 Dali

Code	Dimension(mm)			Size(mm)
	A	B	C	
ACC-TL-65-BK-DALI	Ø62	64	113	Ø62*71
ACC-TL-85-BK-DALI	Ø82	64	113	Ø82*71

## Pendant rod



### ACC-PD65/85

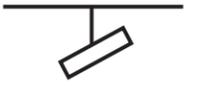
Code	Dimension(mm)	Size(mm)
	A	
ACC-PD-65-500	534.5	Ø100*534.5
ACC-PD-85-500	534.5	Ø100*534.5
ACC-PD-65-DALI-500	534.5	Ø100*534.5
ACC-PD-85-DALI-500	534.5	Ø100*534.5
ACC-PD-65-1000	1034.5	Ø100*1034.5
ACC-PD-85-1000	1034.5	Ø100*1034.5
ACC-PD-65-DALI-1000	1034.5	Ø100*1034.5
ACC-PD-85-DALI-1000	1034.5	Ø100*1034.5



Surface mounted installtion

## Technical Data Sheet

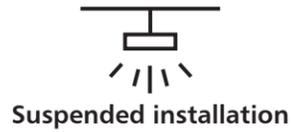
Code		GUART-SM-65-10W	GUART-SM-65-15W	GUART-SM-85-20W	GUART-SM-85-25W	GUART-SM-85-28W	GUART-SM-85-30W	
Dimension(mm)		Ø65*206			Ø85*232			
Cutout (mm)		-						
Watt(W)		10W	15W	20W	25W	28W	30W	
Rated Input Voltage(V)		AC220-240V						
Input Voltage(V)		AC220-240V						
LED Module Input		-						
Light Source		COB						
SDCM		<5						
CCT(K)		1-CCT: 3000K/4000K    3-CCT: 3000K + 4000K + 5000K						
CCT Selection DIP Switch		YES						
Luminous Flux (lm) ±5%	1-CCT	Non-DIM	880-980	1250-1400	1900-2100	2300-2500	-	2780-2900
		DIM	840-930	1290-1400	1800-2000	2180-2370	2500-2850	-
	3-CCT	Non-DIM	850-900	1200-1250	1850-2000	2300-2500	-	2650-2800
		DIM	810-850	1150-1200	1800-1900	1900-2300	2500-2650	-
Decrease 50% lumen with honeycomb cover								
CRI		90						
Beam Angle (°)		30°/36°/60°			24°/36°/60°			
UGR		-						
LED Driver		Driver built-in						
Dimming Option		Triac / DALI	Triac	Triac / DALI			-	
Sensor		NO						
Emergency Kits		NO						
Electrical Class		Class I						
Ingress Protection(IP Rating)		IP20						
Impact Resistance(IK Rating)		IK03						
Product Finishing		White RAL 9016 / Black RAL9005						
Optics Material		PC						
Housing Material		Aluminium						
Lifetime (hr)		50,000h						
Glow wire test (°C)		750°C						
Operating Temp.(°C)		-20°C~40°C						
Storage Temp.(°C)		-20°C~65°C						
Installation		Surface mount						



Track installation

## Technical Data Sheet

Code		GUART-TL-65-10W	GUART-TL-65-15W	GUART-TL-85-20W	GUART-TL-85-25W	GUART-TL-85-28W	GUART-TL-85-30W	
Dimension(mm)		Ø65*248 / Ø65*259(DALI)			Ø85*278 / Ø85*289(DALI)			
Cutout (mm)		-						
Watt(W)		10W	15W	20W	25W	28W	30W	
Rated Input Voltage(V)		AC220-240V						
Input Voltage(V)		AC220-240V						
LED Module Input		-						
Light Source		COB						
SDCM		<5						
CCT(K)		1-CCT: 3000K/4000K    3-CCT: 3000K + 4000K + 5000K						
CCT Selection DIP Switch		YES						
Luminous Flux (lm) ±5%	1-CCT	Non-DIM	880-980	1250-1400	1900-2100	2300-2500	-	2780-2900
		DIM	840-930	1290-1400	1800-2000	2180-2370	2500-2850	-
	3-CCT	Non-DIM	850-900	1200-1250	1850-2000	2300-2500	-	2650-2800
		DIM	810-850	1150-1200	1800-1900	1900-2300	2500-2650	-
Decrease 50% lumen with honeycomb cover								
CRI		90						
Beam Angle (°)		30°/36°/60°			24°/36°/60°			
UGR		-						
LED Driver		Driver built-in						
Dimming Option		Triac / DALI	Triac	Triac / DALI			-	
Sensor		NO						
Emergency Kits		NO						
Electrical Class		Class I						
Ingress Protection(IP Rating)		IP20						
Impact Resistance(IK Rating)		IK03						
Product Finishing		White RAL 9016 / Black RAL9005						
Optics Material		PC						
Housing Material		Aluminium						
Lifetime (hr)		50,000h						
Glow wire test (°C)		750°C						
Operating Temp.(°C)		-20°C~40°C						
Storage Temp.(°C)		-20°C~65°C						
Installation		Track						



## Technical Data Sheet

Code		GUART-PD-65-10W	GUART-PD-65-15W	GUART-PD-85-20W	GUART-PD-85-25W	GUART-PD-85-28W	GUART-PD-85-30W	
Dimension(mm)		Ø65		Ø85				
Cutout (mm)		-						
Watt(W)		10W	15W	20W	25W	28W	30W	
Rated Input Voltage(V)		AC220-240V						
Input Voltage(V)		AC220-240V						
LED Module Input		-						
Light Source		COB						
SDCM		<5						
CCT(K)		1-CCT: 3000K/4000K    3-CCT: 3000K + 4000K + 5000K						
CCT Selection DIP Switch		YES						
Luminous Flux (lm) ±5%	1-CCT	Non-DIM	880-980	1250-1400	1900-2100	2300-2500	-	2780-2900
		DIM	840-930	1290-1400	1800-2000	2180-2370	2500-2850	-
	3-CCT	Non-DIM	850-900	1200-1250	1850-2000	2300-2500	-	2650-2800
		DIM	810-850	1150-1200	1800-1900	1900-2300	2500-2650	-
Decrease 50% lumen with honeycomb cover								
CRI		90						
Beam Angle (°)		30°/36°/60°		24°/36°/60°				
UGR		-						
LED Driver		Driver built-in						
Dimming Option		Triac / DALI	Triac	Triac / DALI			-	
Sensor		NO						
Emergency Kits		NO						
Electrical Class		Class I						
Ingress Protection(IP Rating)		IP20						
Impact Resistance(IK Rating)		IK03						
Product Finishing		White RAL 9016 / Black RAL9005						
Optics Material		PC						
Housing Material		Aluminium						
Lifetime (hr)		50,000h						
Glow wire test (°C)		750°C						
Operating Temp.(°C)		-20°C~40°C						
Storage Temp.(°C)		-20°C~65°C						
Installation		Pendant						

## Driver Datasheet (Non-dimmable)

Total load wattage		10W	15W	20W	25W	30W
Output	Rated output current	250mA	360mA	500mA	600mA	750mA
	Output Voltage range	DC30-40V				
	Line Regulation	±5%				
	Setup Rise Time	≤0.5S @230V				
	Flickering Index	<10%				
Input	Rated Input Voltage(V)	AC220-240V				
	Input Voltage(V)	AC220-240V				
	Frequency	50/60Hz				
	Rated Input Current	≤0.05A	≤0.08A	≤0.11A	≤0.14A	≤0.17A
	Input Current	≤0.06A	≤0.09A	≤0.12A	≤0.15A	≤0.18A
	Power Factor	≥0.9				
	THD	<25% @230V				
	Efficiency	≥82%	≤84%	≥87%		
	No load wattage	<0.5W				
	Protection	Short circuit protection	PASS			
Over voltage protection		PASS				
Over temperature protection		PASS				
Safety & EMC	Withstand voltage	I/P-O/ P:3.75kVac, <5mA 60S	I/P-FG:1.5kVac, <5mA 60S			
	Isolation Resistance	I/P-O/P: 500VDC, ≥4M Ω	500VDC, ≥2M Ω			
	Surge	IEC/EN61000-4-5 (P<25W L-N:500V, L/N-PE:1KV)			IEC/EN61000-4-5 (P≥25W L-N:1KV, L/ N-PE:2KV)	
	EMC Emission	EN55015, EN61000-3-2				
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547				

## Driver Datasheet (Triac Dimmable)

Total load wattage		10W	15W	20W	25W	28W
Output	Rated output current	230mA	350mA	480mA	580mA	700mA
	Output Voltage range	DC23-40V		DC30-40V		
	Line Regulation	±5%				
	Setup Rise Time	≤0.5s @230V				
	Flickering Index	5%(LOW RISK)				
Input	Rated Input Voltage(V)	AC220-240V				
	Input Voltage(V)	AC220-240V				
	Frequency	50Hz				
	Rated Input Current	≤0.06A	≤0.08A	≤0.11A	≤0.13A	≤0.16A
	Input Current	≤0.06A	≤0.09A	≤0.12A	≤0.15A	≤0.17A
	Power Factor	0.9				
	THD	-				<20% @230V
	Efficiency	≥78%	≥80%	≥84%		≥85%
	No load wattage	<1W @230V				
	Protection	Short circuit protection	PASS			
Over voltage protection		PASS				
Over temperature protection		PASS				
Safety & EMC	Withstand voltage	I/P-FG:1.5kVac, <5mA 60S				
	Isolation Resistance	500VDC, ≥2M Ω				
	Surge	IEC/EN61000-4-5( P<25W; L-N:500V, L/N-PE:1KV)			IEC/EN61000-4-5 (P≥25W L-N:1KV, L/ N-PE:2KV)	
	EMC Emission	EN55015, EN61000-3-2				
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547				

## Driver Datasheet (DALI Dimmable)

Total load wattage		10W	20W	25W	28W
Output	Rated output current	250mA	500mA	600mA	700mA
	Output Voltage range	DC28-40V			
	Line Regulation	±5%			
	Setup Rise Time	≤1S @230V			
	Flickering Index	≤1%(NO RISK)			
Input	Rated Input Voltage(V)	AC220-240V			
	Input Voltage(V)	AC220-240V			
	Frequency	50/60HZ			
	Rated Input Current	≤0.05A	≤0.10A	≤0.13A	≤0.15A
	Input Current	≤0.06A	≤0.12A	≤0.14A	≤0.16A
	Power Factor	0.9			
	THD	<20% @230V			
	Efficiency	≥81%	≥85%	≥86%	
	No load wattage	≤0.5W			
Protection	Short circuit protection	PASS			
	Over voltage protection	PASS			
	Over temperature protection	PASS			
Safety & EMC	Withstand voltage	I/P-FG:1.5KVac,<5mA 60S			
	Isolation Resistance	500VDC, ≥2M Ω			
	Surge	IEC/EN61000-4-5( P<25W; L-N:500V, L/N-PE:1KV)		IEC/EN61000-4-5 (P≥25W L-N:1KV, L/N-PE:2KV)	
	EMC Emission	EN55015, EN61000-3-2			
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547			

# User Manual

## Artco Series

### WARNING ⚡

1. Switch off the power before starting installation or maintenance.
2. Turn on only after the installation and examination of the circuit are complete.
3. The light must be installed and maintained by professional electrician.

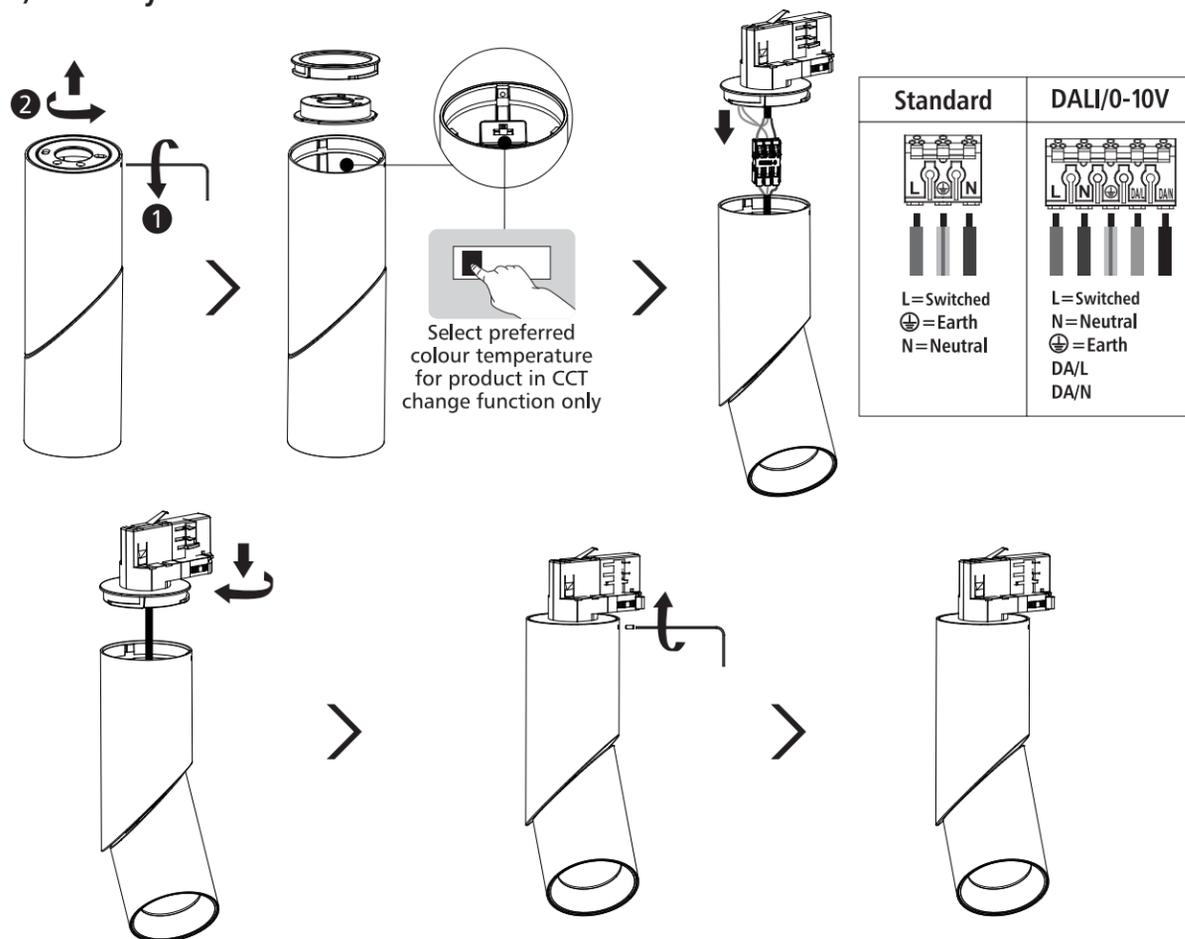


Turn Off  
Power Supply

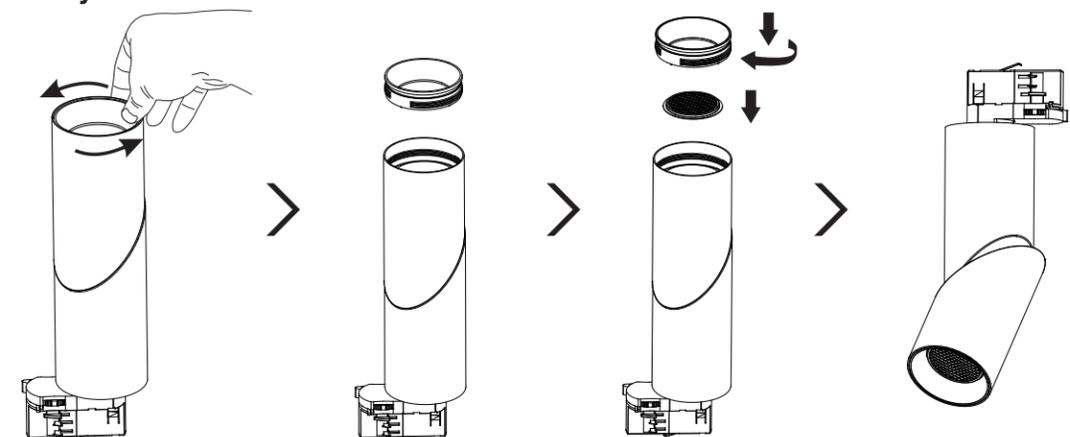
Ensure that the power supply is turned off prior to beginning any installation. Review the instructions and verify that you possess all necessary tools and accessories to complete the installation accurately.

### Lamp DIY Instruction

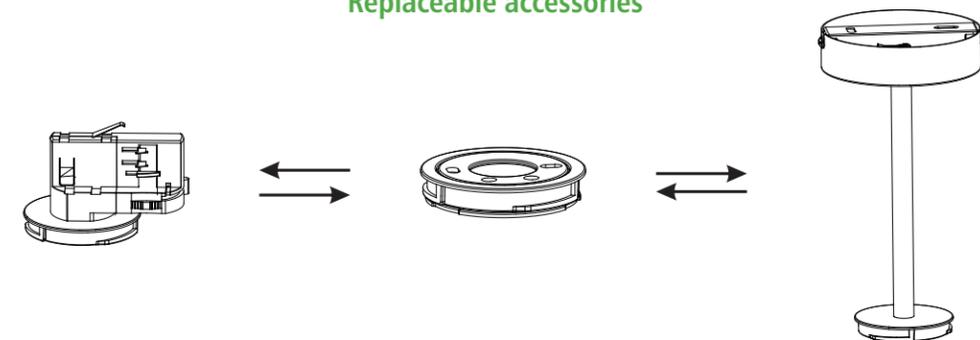
#### (Dis)assembly reference



#### Assemble honeycomb

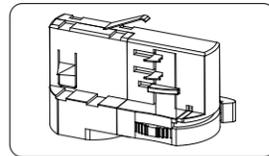


#### Replaceable accessories

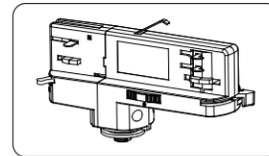


## Track Installation

Select corresponding adapter before installation



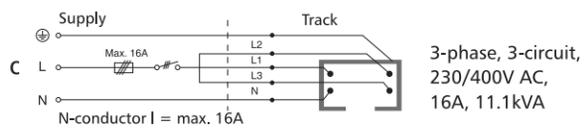
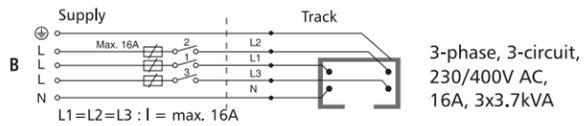
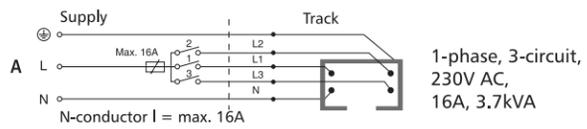
4-wires, 3-circuit



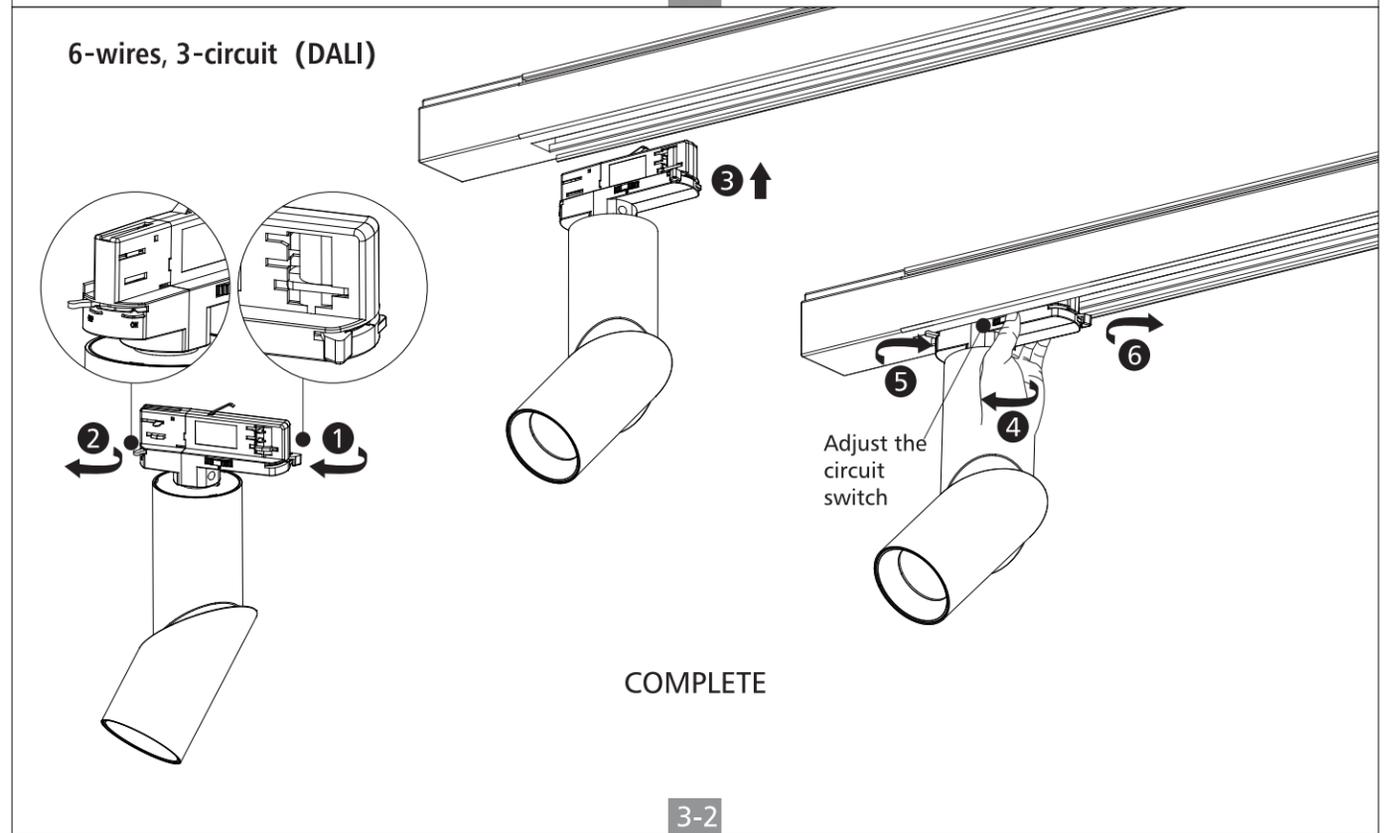
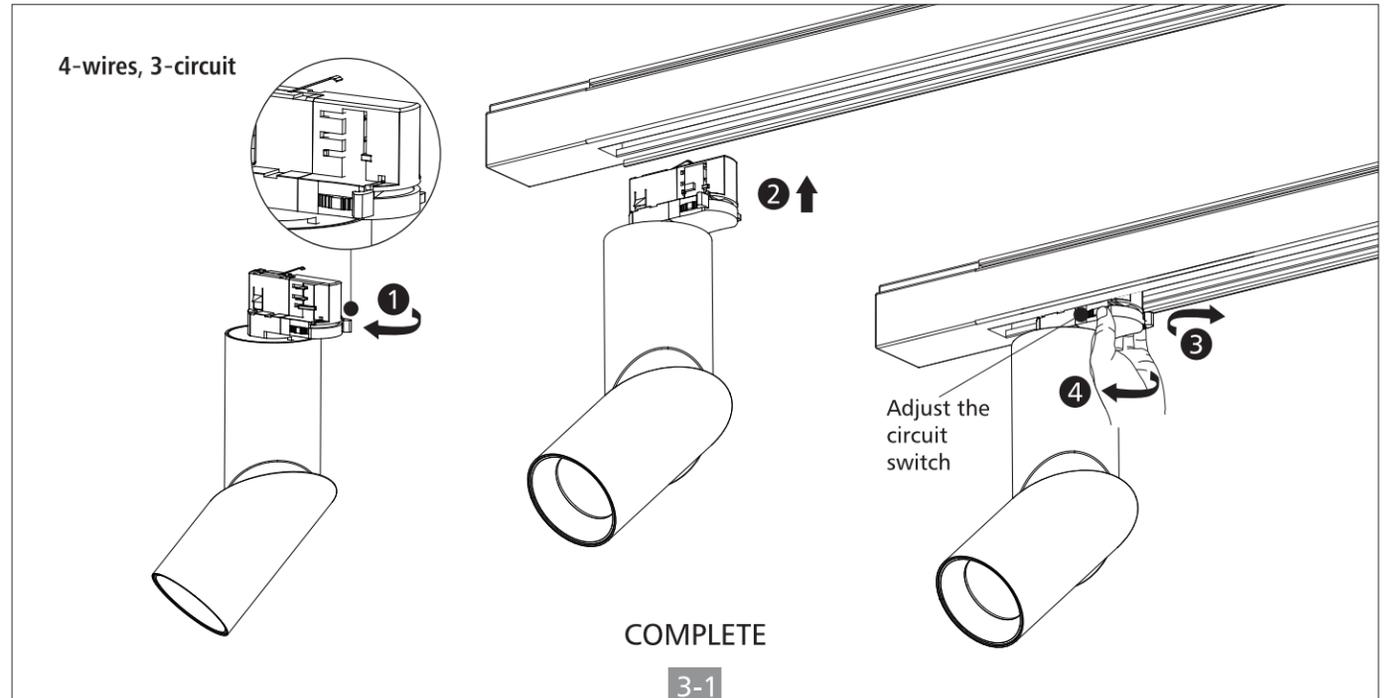
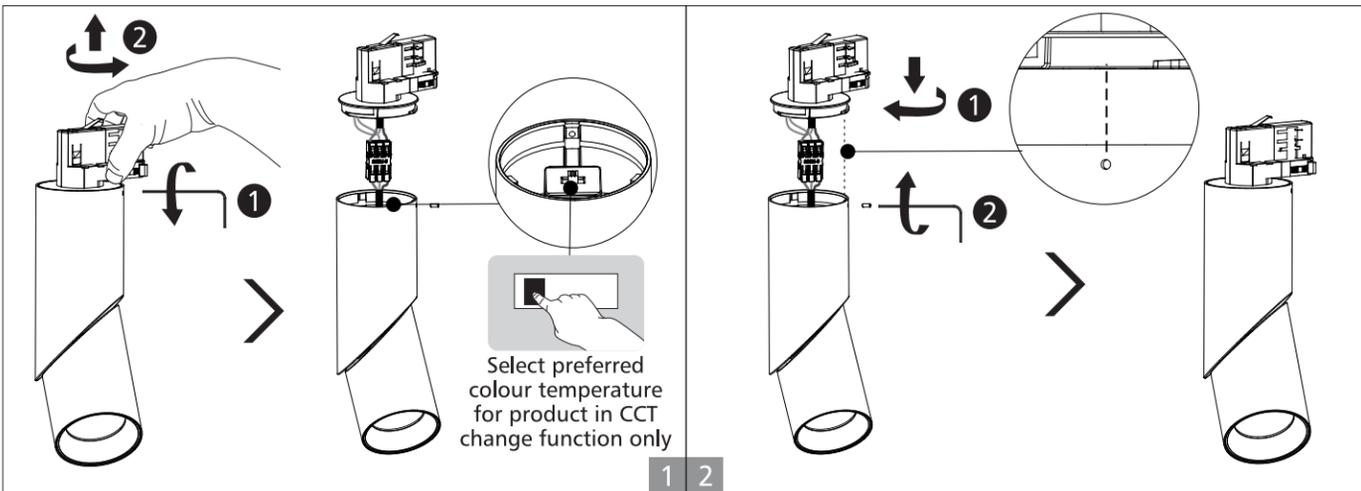
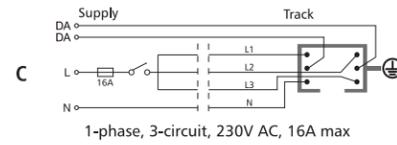
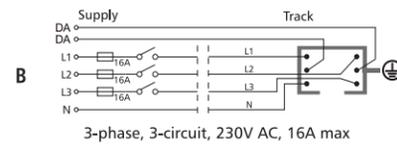
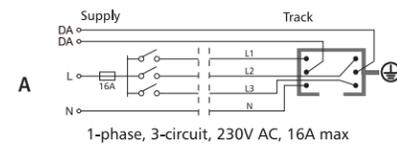
6-wires, 3-circuit

## Wiring Diagram

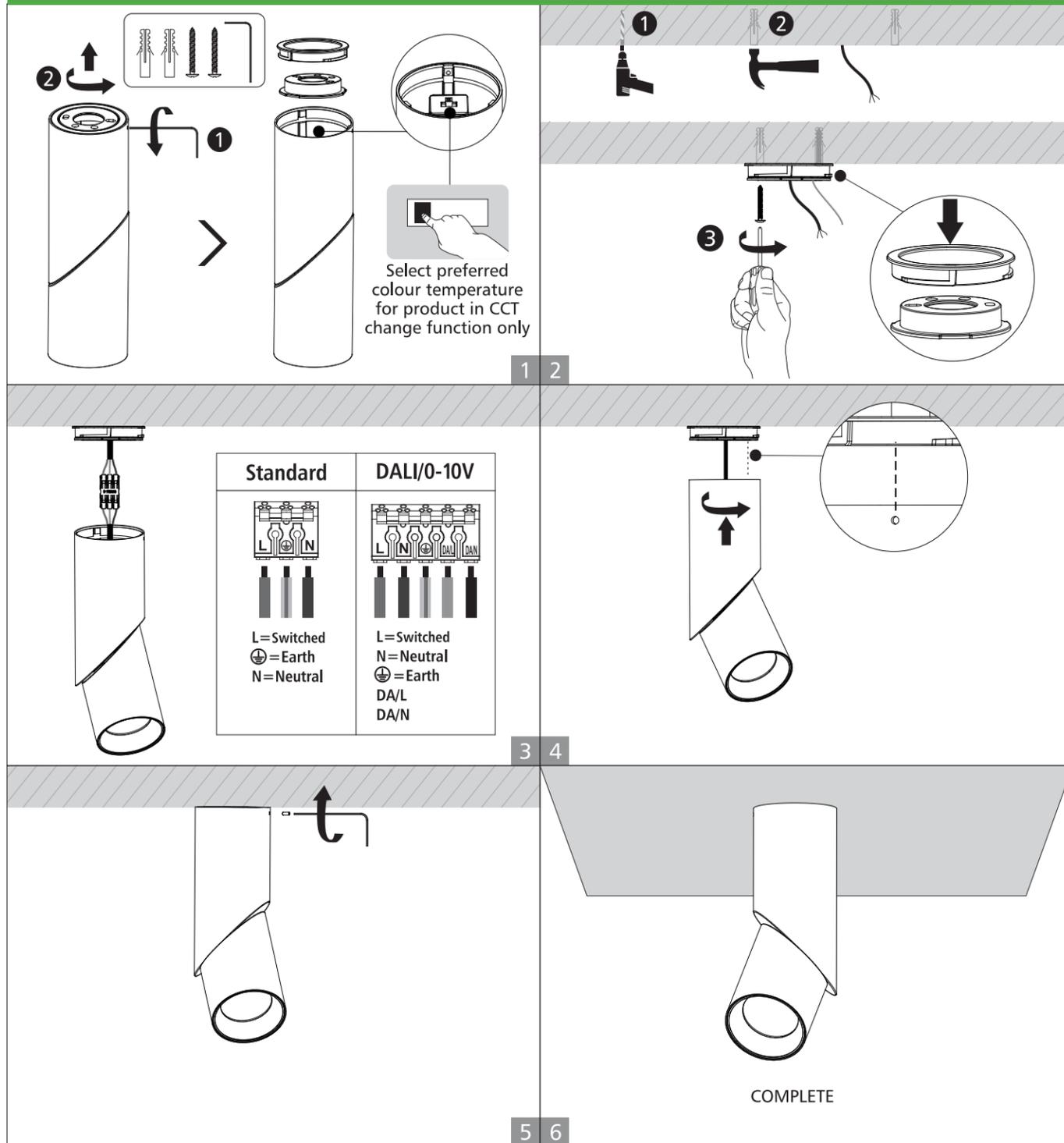
### 4-wires, 3-circuit



### 6-wires, 3-circuit (DALI)



## Surface Mount Installation



## Pendant Rod Installation

Code	A-01	A-02	A-03	A-04	A-05
ACC	x1	x2	x2	x1	x1

