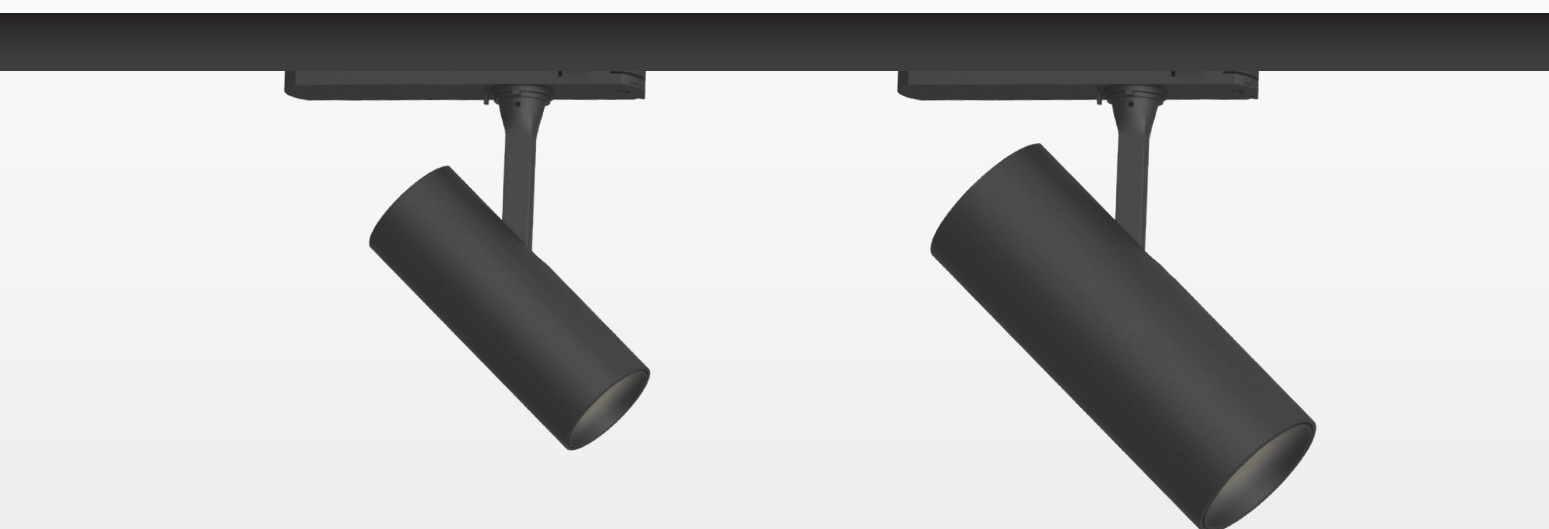


TUBE

TRACK SERIES

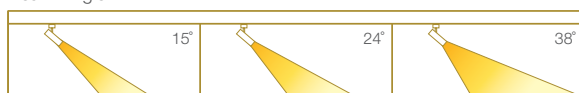
A series of track mounted adjustable luminaires with a slim and simplistic design. The Tube track series comes in 2 power and size variants that are ideal for illuminating designated areas and objects in all kinds of spaces.



Module Colour Temperature Variation



Beam Angle



Driver Dimming Variation



(ND)



(PH)



(AN)



(DA)

TUBE TRACK

18W / 12W TRACK MOUNTED LUMINAIRE

18W

12W

AVAILABLE OPTIONS

FIXTURE COLOUR OPTIONS

MATT WHITE RAL9003

MATT BLACK RAL9011



ACCESSORIES

Honeycomb
Anti-Glare
Louvre

Soft Lens

LED MODULE

SINGLE CCT



2700K



3000K



4000K



ProART



DRIVER DIMMING

*All driver options are external.



(ND)



(PH)



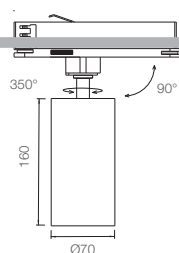
(AN)



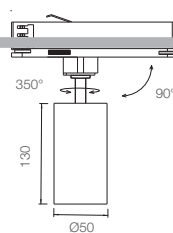
(DA)

DIMENSIONS (MM)

(18W)



(12W)



SPECIFICATIONS

Family Type	Tube Series
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	36V (18W), 31V (12W)
Typical Operating Current	500mA (18W), 400mA (12W)
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10
Beam Angles	15°, 24°, 38°
Colour Temperatures	2700K, 3000K, 4000K
CRI	ProART (CRI~95)
SDCM	3 steps MacAdam ellipse binning

Driver (Dimming)	Non-dim, phase (leading & trailing edge), 1-10V, DALI
Mains Connection	Track adapter
Materials	Aluminium, plastic
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Ingress Protection	IP40
Safety Class	Class 2
Standards	IEC 60598-1, IEC 61347-2-13
Regulatory Markings	CE, CCC, RoHS

PHOTOMETRICS

TUBE 18W

Height (m)		E _{max} (lx)			TUBE 18W			Luminous Flux (lm)	
		15°	24°	38°	LED Power	System Power	CRI	3000K	15°, 24°, 38°
1	E(0°)	14479	7264	3724	18W	20W	ProART CRI~95	1540	
	Cone Ø (m)	0.27	0.43	0.67					
2	E(0°)	3620	1816	931					
	Cone Ø (m)	0.55	0.86	1.35					
3	E(0°)	1609	807	414					
	Cone Ø (m)	0.82	1.29	2.02					
4	E(0°)	905	454	233					
	Cone Ø (m)	1.10	1.72	2.69					
5	E(0°)	579	291	149					
	Cone Ø (m)	1.37	2.14	3.37					

Data are based on 3000K (ProART CRI~95). Nominal data of 2700K and 3500K are shared with 3000K. Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05)

Nominal CRI~95, equals to Ra>90~97, R9>50

TUBE 12W

Height (m)		E _{max} (lx)			TUBE 12W			Luminous Flux (lm)	
		15°	24°	38°	LED Power	System Power	CRI	3000K	15°, 24°, 38°
1	E(0°)	10074	5422	2217	12W	15W	ProART CRI~95	970	
	Cone Ø (m)	0.26	0.42	0.70					
2	E(0°)	2519	1356	554					
	Cone Ø (m)	0.52	0.84	1.39					
3	E(0°)	1119	602	246					
	Cone Ø (m)	0.78	1.26	2.09					
4	E(0°)	630	339	139					
	Cone Ø (m)	1.04	1.69	2.79					
5	E(0°)	403	217	89					
	Cone Ø (m)	1.30	2.11	3.48					

Data are based on 3000K (ProART CRI~95). Nominal data of 2700K and 3500K are shared with 3000K. Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05)

Nominal CRI~95, equals to Ra>90~97, R9>50

ORDERING MATRIX CHART

Fixture				LED Module								Driver		Track Adapter		
Type	Colour		Accessories		LED Power		Beam Angle		Colour Temp		CRI		Dimming		Type	
TUBE-TR	_____		_____		_____		_____		_____		_____		_____		_____	
	WH	Matt White	N	None	18	18W	15	15°	27	2700K	PA	ProART	ND	Non-Dim	3AC	3 Circuit AC
	MB	Matt Black	AGL	Anti-Glare Louvre	12	12W	24	24°	30	3000K	PH		Phase	3AC	3 Circuit AC	
			SL	Soft Lens			38	38°	40	4000K	AN		1-10V	1DT	1 Circuit AC + Data	
										DA	DALI		3DT	3 Circuit AC + Data		

example: TUBE-TR.WH.N.12.15.30.PA.ND.3AC