LED LinearLighting

LED Linear Lighting

ALTOS TUBULAR

High endurance for
demanding environments

IP65	20 | 36 | 48 W
IP69K	20 | 36 | 48 W
Outdoor	20 | 36 | 48 W

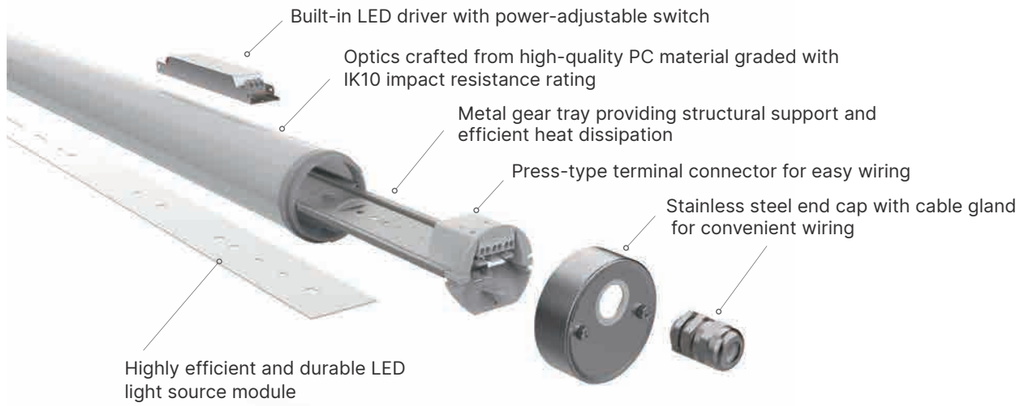
ALTOS TUBULAR series is a versatile line of industrial lighting with classic all-rounder design. These fixtures feature modular design and best flicker free light quality, while ensuring visually comfortable and uniform illumination in even the most demanding environments, thanks to their robust (up to IP69K-rated) protection against dust, high-pressure water jets, and intense cleaning.

Key Features

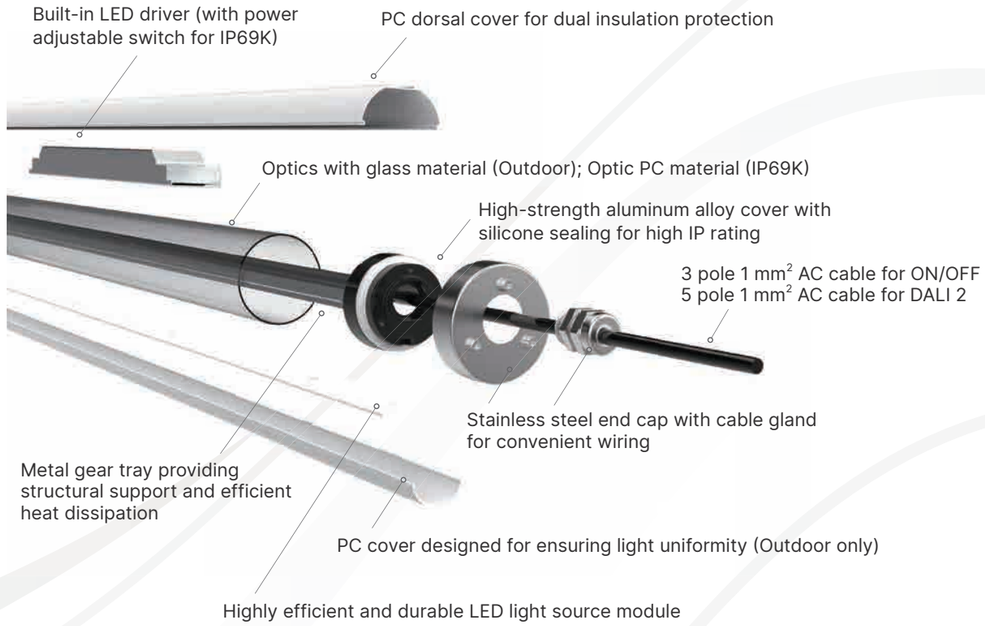
- Modular Design & Repairable
- Uniform Light Distribution
- Easy Installation & Maintenance
- Through-wiring Capability (optional for IP69K and Outdoor)
- Motion Sensor Available
- With 160 lm/W Efficacy

Product Components

IP65



IP69K / Outdoor



IP65 IP69K Outdoor

Technical Data

Electrical Data	
Nominal wattage	20 – 48 W
Nominal voltage	220 – 240 V
Power factor	>0.90
Total harmonic distortion	<20%
Surge protection	1kV
Protection class	Class I
Driver efficiency and mounting	90% (85% Outdoor)
Operating mode	ON/OFF – DALI 2

Photometric Data	
Luminous flux	2 600 and 7 680 lm
Luminous efficacy	130 – 160 lm/W
Color temperature	4000K （3000K | 5000K | 6500K optional) / 3000K (Outdoor)
Color rendering index	>80
Standard deviation of color matching	3 SDCM | 6 SDCM (Outdoor)
Beam angle	120°

Materials & Colors	
Product color	White / Clear (Outdoor)
Housing color	White
Body material	Polycarbonate / Glass (Outdoor)
Optics material	Polycarbonate
Seal material	Silicone

Application & Mounting	
Ambient temperature range	-20 to +40°C
Ingress protection rating	IP65 | IP69K (IP69 and Outdoor)
Impact protection rating	IK10 | IK06 (Outdoor)

Lifespan	
Lifespan L80B10 at Ta=25°C	100 000 h

CE RoHS

Order Guide

ALTOS TUBULAR IP65			
Material number	LSHD04TUBS2240-I65	LSHD04TUBS4340-I65	LSHD04TUBS5440-I65
Lumen output (lm)	3 000	5 760	7 680
Power (W)	20	36	48
Efficacy (lm/W)	150	160	
Length (mm)	600	1200	1500
CCT	4000K (3000K available)		
Operating temp.	-20 to +40°C		
Beam angle	120°		
Control interface	ON/OFF		
Lifetime	L80B10 >100 000h at Ta=25°C		

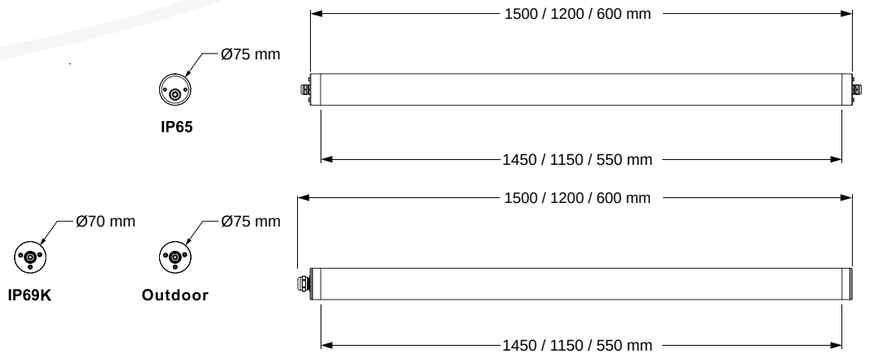
ALTOS TUBULAR IP65 DALI			
Material number	LSHD04TUBS2240-D65	LSHD04TUBS4340-D65	LSHD04TUBS5440-D65
Lumen output (lm)	3 000	5 760	7 680
Power (W)	20	36	48
Efficacy (lm/W)	150	160	
Length (mm)	600	1200	1500
CCT	4000K (3000K available)		
Operating temp.	-20 to +40°C		
Beam angle	120°		
Control interface	DALI 2		
Lifetime	L80B10 >100 000h at Ta=25°C		

ALTOS TUBULAR IP69K			
Material number	LSHD04TUBS2240-I69	LSHD04TUBS4340-I69	LSHD04TUBS5440-I69
Lumen output (lm)	3 000	5 760	7 680
Power (W)	20	36	48
Efficacy (lm/W)	150	160	
Length (mm)	600	1200	1500
CCT	4000K (3000K available)		
Operating temp.	-20 to +40°C		
Beam angle	120°		
Control interface	ON/OFF		
Lifetime	L80B10 >100 000h at Ta=25°C		

ALTOS TUBULAR IP69K DALI			
Material number	LSHD04TUBS2240-D69	LSHD04TUBS4340-D69	LSHD04TUBS5440-D69
Lumen output (lm)	3 000	5 760	7 680
Power (W)	20	36	48
Efficacy (lm/W)	150	160	
Length (mm)	600	1200	1500
CCT	4000K (3000K available)		
Operating temp.	-20 to +40°C		
Beam angle	120°		
Control interface	DALI 2		
Lifetime	L80B10 >100 000h at Ta=25°C		

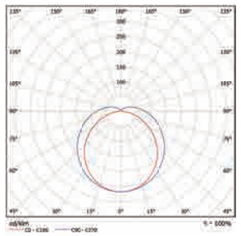
ALTOS TUBULAR OUTDOOR			
Material number	D04TUBO2230	D04TUBO4330	D04TUBO5430
Lumen Output (lm)	2 600	4 860	6 480
Power (W)	20	36	48
Efficacy (lm/W)	130	135	
Length (mm)	600	1200	1500
CCT	3000K (2700K available)		
Operating temp.	-20 to +40°C		
Beam angle	120°		
Control interface	ON/OFF		
Lifetime	L80B10 >100 000h at Ta=25°C		

Product Orientation & Dimensions



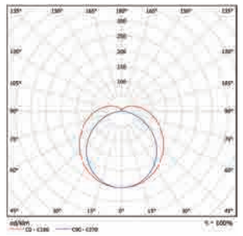
Photometry

IP65



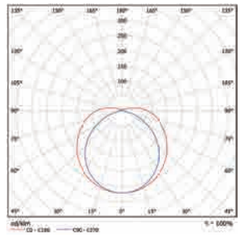
120°

IP69K



120°

Outdoor



120°

Accessories

Mounting clips
2 pcs/set
(Included for IP65 & IP69K)

D04TUB0001
Suspension kit
2 pcs/set
(Optional for all)

D04TUB0002
Anti-theft clamp
(Optional for IP65 & IP69K)

D04TUB0003
Anti-vibration bracket
(Included for Outdoor)
(Optional for IP65 & IP69K)