H-SERIES
Streetlight

OUTDOOR SERIES

PRODUCT OVERVIEW

The **ALTSA H-Series Streetlight** utilizes Lumilids LUXEON 3030 technology, which provide extreme lumen output and long lasting stability. It is designed to withstand extreme weather conditions with it's fully IP66 rated casing and IP66 rated driver. It is the most durable LED streetlight on the market, offering a life expectancy of >50 000 hours. This engineering Marvel is not only pleasant for the eye, but it is completely dust and vapour proof as well as impact resistant up to IK10. With little to no maintenance required, it is easily installed and serviceable.

The **ALTSA H-Series Streetlight** comes in black or silver with optional accessories such as a dimmable driver, a motion sensitive photocell or a surge protection device.

Quality comes standard...

50 000 Hours LIFESPAN	IP66 OUTDOOR	Low MAINTENANCE	5 Year WARRANTY	Product CERTIFICATION

APPLICATIONS

Roads	Sport Fields
Highways	Light Towers
Parking Areas	Shipping Yards

FEATURES

Water, Dust, Damp Proof	Lifespan: >50 000hrs	Temperature: - 20˚C+50˚C
High Luminous Efficiency	CRI: 70	Warranty: 5 Years
Excellent heat dissipation	Input Voltage: 100-277VAC	Surge Protection: 10kV/10kA
Easy Installation	Power Factor: >0.95	Available in Silver (RAL9022)
Adjustable tilt angle: 0˚/10˚/15˚	Various Beam Angles	or Black (RAL9005)

CONSTRUCTION DETAILS

Aluminium Housing	IP66 Ingress Protection
PMMA Lens	IK08 Impact Resistance
Black/Grey Housing Finish	UGR 22 Glare Index

H-Series Streetlight

TECHNICAL DATA | H4 Series

MODEL No.:	VOLTAGE (V)	POWER (W)	LUMEN (lm)	No. Modules	DIMENSIONS (mm)	WEIGHT (kg)	CRI	CCT (K)
LD40H4/*	100-277	40	5200	1	431x316x60	5.3kg	>70	2200-6000
LD80H4/*	100-277	80	10400	2	504x316x60	6.1kg	>70	2200-6000
LD120H4/*	100-277	120	15600	3	577x316x60	7.3kg	>70	2200-6000
LD160H4/*	100-277	160	20800	4	650x316x60	8.2kg	>70	2200-6000
LD200H4/*	100-277	200	26000	5	723x316x60	9.0kg	>70	2200-6000

* **Colour Temperature:** 2000-3000K (02) / 4000K (04) / 6000K (06)

TECHNICAL DATA | H5 Series

MODEL No.:	VOLTAGE (V)	POWER (W)	LUMEN (lm)	No. Modules	DIMENSIONS (mm)	WEIGHT (kg)	CRI	CCT (K)
LD50H5/*	100-277	50	5200	1	431x316x60	5.3kg	>70	2200-6000
LD100H5/*	100-277	100	10400	2	504x316x60	6.1kg	>70	2200-6000
LD150H5/*	100-277	150	15600	3	577x316x60	7.3kg	>70	2200-6000
LD200H5/*	100-277	200	20800	4	650x316x60	8.2kg	>70	2200-6000
LD240H5/*	100-277	240	26000	5	723x316x60	9.0kg	>70	300-6000

MECHANICAL DATA

Lamp Description:	Philips 3030
Operating Temperature:	-20°C ~ 50°C
Housing Material:	Aluminium
Lens Material:	PMMA
Glare Index:	UGR22
Housing Finish:	Black/Grey
IP Rating	IP66
Mounting Configuration:	Surface/Suspended/Wall

ELECTRICAL DATA

Driver:	Turefull
Electrical Class:	Class 1
Nominal Voltage Range:	100 - 277 VAC
Power Factor:	>0.95
THD:	12%
Surge Protection:	Standard 1000V- Optional 3000V
Photocell:	External

H-Series Streetlight

All fixing screws in stainles steel
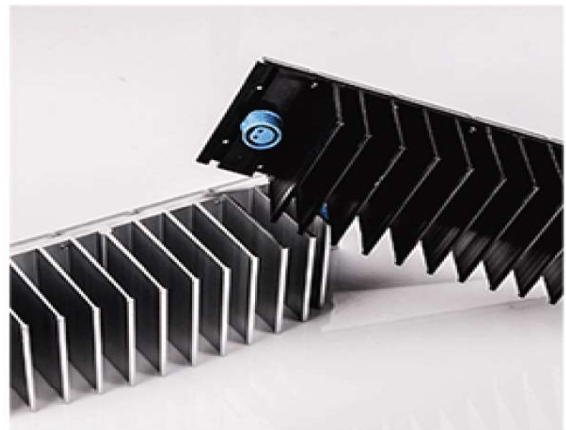
All fixing screws in stainles steel

XTREME LUMINAIRE DESIGN

Reasonable heat sink design, not only keep ventilation but also avoid laceration.

Gaps between each module are increased heat dissipation speed and solved the problem of dust deposition.
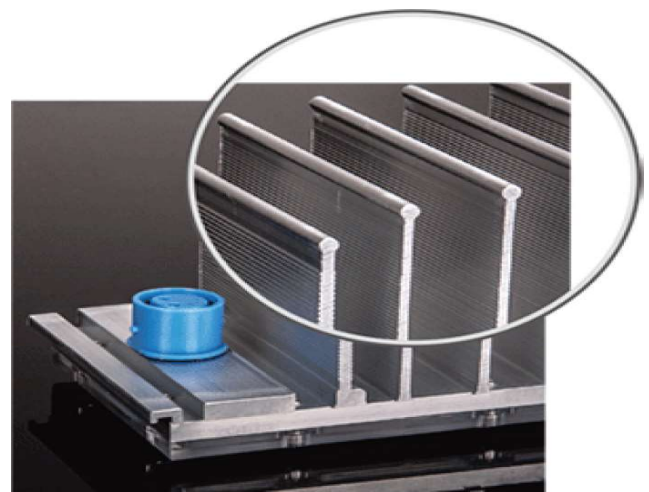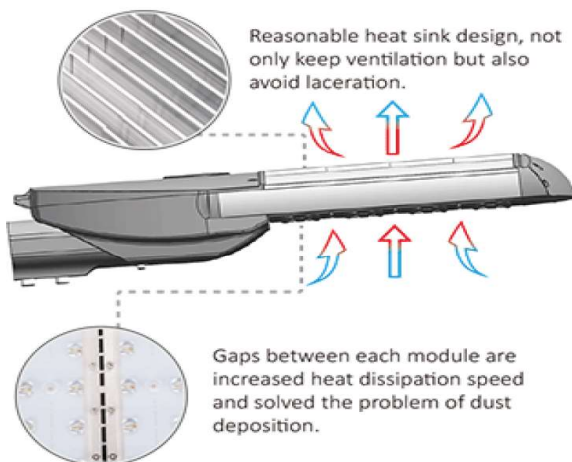
Cylindrical edge design to avid cutting risk

FLEXIBLE INSTALLATION

H0

H10

H15

V0

V5

V15

DIMMING OPTIONS

The **ALTSA H-Series Streetlight** utilizes the INVENTRONIC Dimmable Driver, which not only provides a Built in surge protection, but can easily be programmed from your laptop. The dimmer switch can be replaced by an active 0-5V voltage source signal or by passive components like resistors.

» 0-5V Dimming

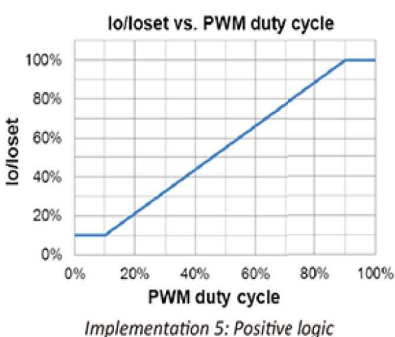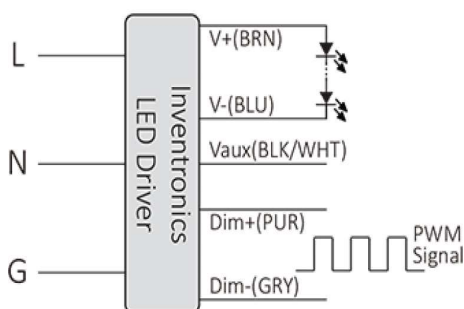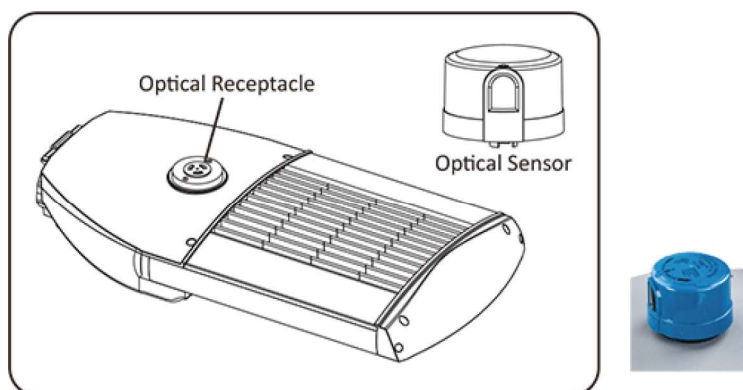*The recommended implementation of the dimming control is provided below.*
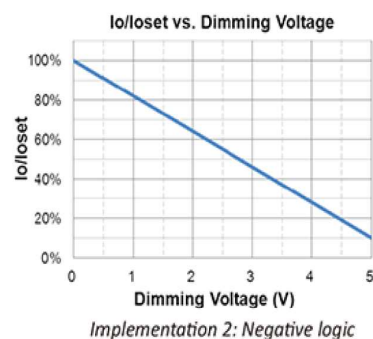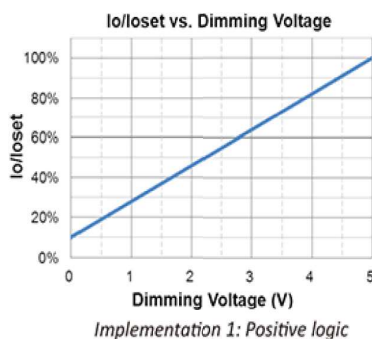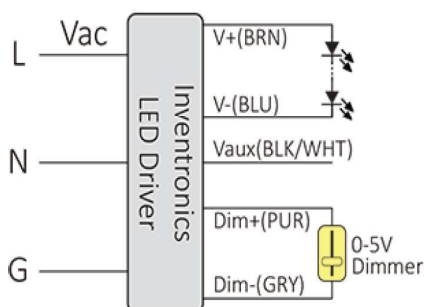
Implementation 1: Positive logic

Implementation 2: Negative logic

» 0-5V Dimming

The recommended implementation of the dimming control is provided below.

Implementation 1: Positive logic

Implementation 2: Negative logic

» PWM Dimming

The recommended implementation of the dimming control is provided below.

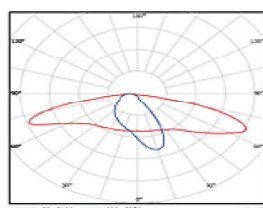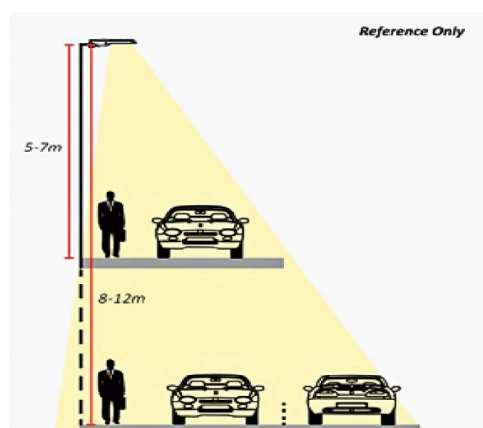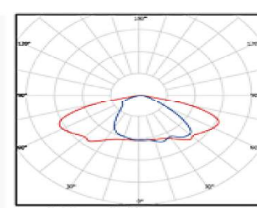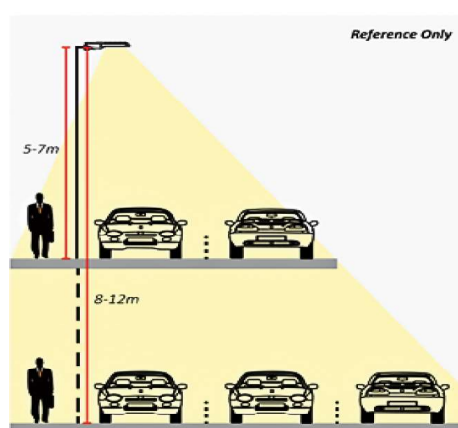Implementation 5: Positive logic

Implementation 6: Negative logic
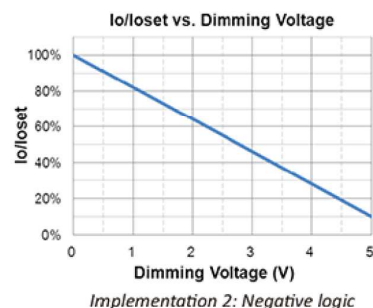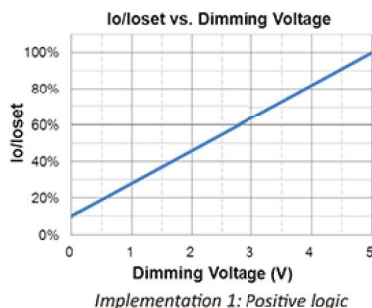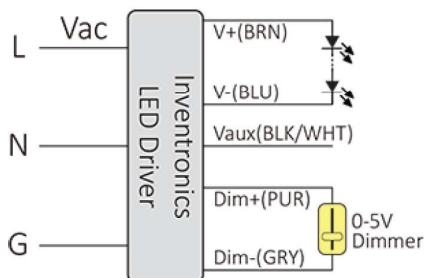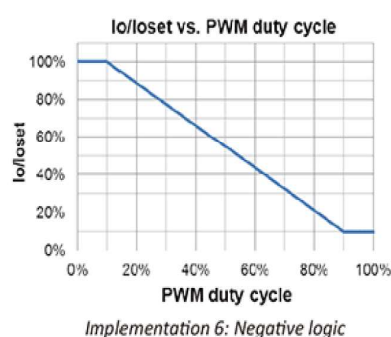
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OPTIONAL DAYLIGHT SENSOR

Optical Receptacle

Optical Sensor

PHOTOMETRIC DATA

Reference Only

5-7m

8-12m

Lens code: Type I, Medium

Reference Only

5-7m

8-12m

Lens code: Type II, Medium

Reference Only
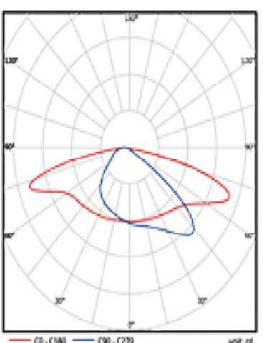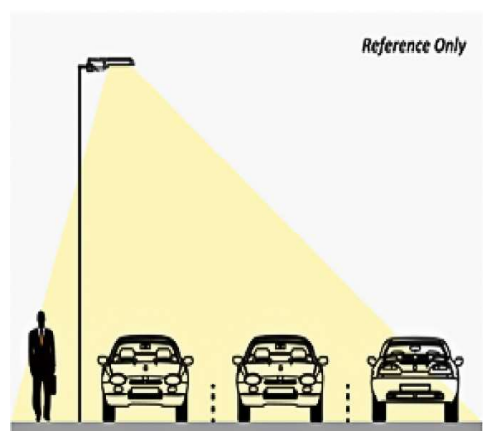
Lens code: Type III, Medium

Reference Only

Square   Parking Lot

Lens code: Type V, Short