NIKKON®

LEDXION S466

LED STREET LANTERN

PRODUCT INTRODUCTION

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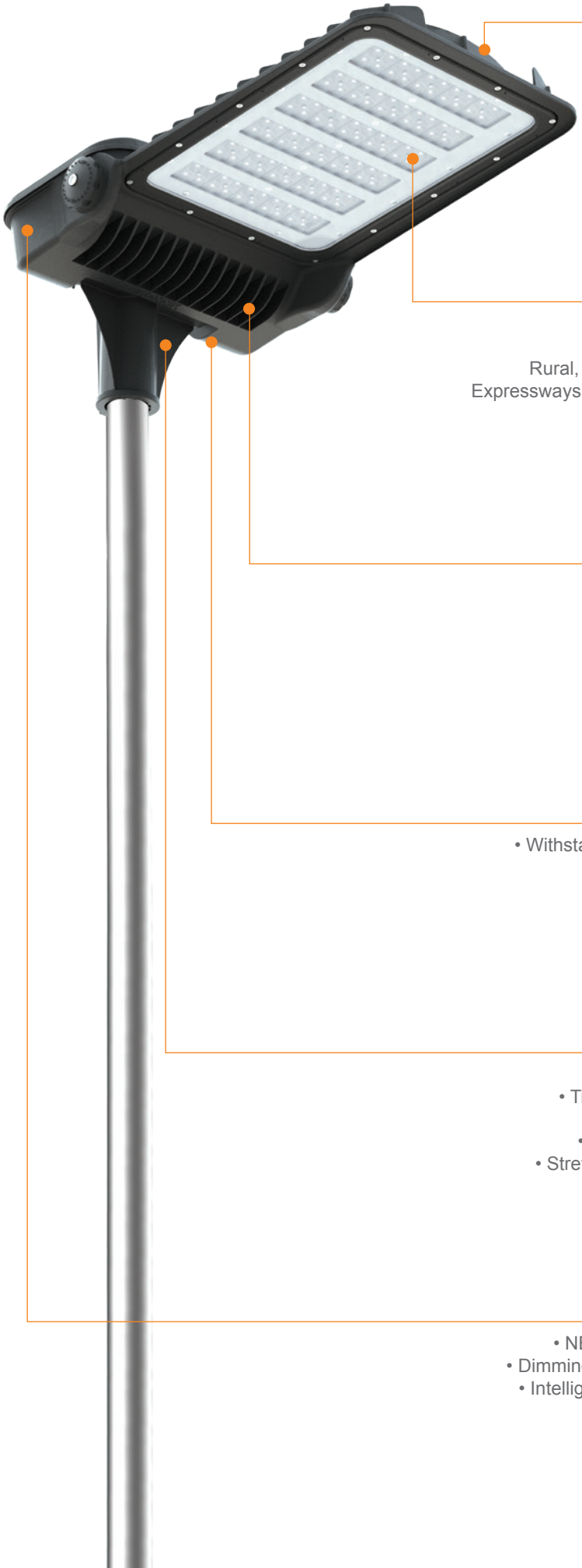


Robust Housing
- Die-Cast Aluminium
- Epoxy Powder Coating
- Akzo Nobel Interpon Color
- Ultraviolet Protection
- Isolated Lamp & Gear Compartment
- Stainless Steel Fasteners

Optical Versatility
- Type I, II, III, IV, V & ASY
- Applications:
Rural, Urban & Ring Roads, Carparks, Expressways, Sport Lightings, Jetties & Ports

Dynamic Thermal Control
- Dynamic Heat Fins Design
- External Cooling Fins
- Withstand High Temperature
- Ventilation Vent Included

Weatherproof Sealant
- Withstand Harsh Outdoor Environment
- Silicon Rubber Material
- IP66 Rating

Spigot Flexibility
- Ø60mm Pole Size
- Tiltable 0° - 10° Angle Adjustment
- Side Entry or Post Top
- 120mm Depth for Better Safety
- Stretchable Material Suitable Impact
- Stop-Locking Mechanism

Electronic Control
- NEMA Twist Photocell Receptable
- Dimming & Timer Control Power Supply
- Intelligent Light Control System (iLCS)

S466 SPECIFICATIONS

iLCS®
Intelligent Light Control System

LUMINAIRE TECHNICAL SPECIFICATIONS

• **System Power**	200W 250W 300W 350W
• **Fitting Material**	Non-Corrosive Die-cast Aluminium
• **Optical Cover**	High Transparency Tempered Glass
• **Ingress Protection**	IP66
• **Impact Protection**	IK08
• **Voltage**	220 ~ 240 Vac 50 / 60Hz
• **Electrical Safety Class**	Class I
• **Operating Temperature**	-30 ~ +50ºC
• **Surge Protection**	10KV, 20KA
• **Installation**	Ø60mm Side Entry Ø60mm Post Top Mounting Bracket
• **Nett Weight**	18 kg
• **Carton Size**	840 (L) x 540 (W) x 275 (H)

APPLICATION

- Motorways, Municipal Areas, Expressways, High-Masts, Sports Arena & Courts, Carparks, Jetties & Ports

OPTIONAL FEATURES

• **LED Drivers**	1-10V Dimming, Full Programmable
• **Control System**	iLCS (Intelligent Light Control System)
• **Installation**	Mounting Bracket (Highmast Lighting)
• **Lens (Optional) by LEDiL**	Type I, Type II, Type III, Type IV , Type V & ASY * Special distribution lens upon request.

LED MODULE SPECIFICATIONS

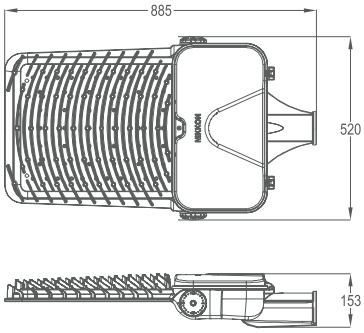
• **LEDs**	High Power LEDs
• **Color Temperature**	3000K, 4000K & 5000K
• **L70**	100,000 Hrs @ 25ºC
• **PCB Material**	Ceramic (Alumina Substrate)
• **Lens Efficiency**	93%
• **Lm/W**	Up to 124 lm/W

COMPLIANCE STANDARD

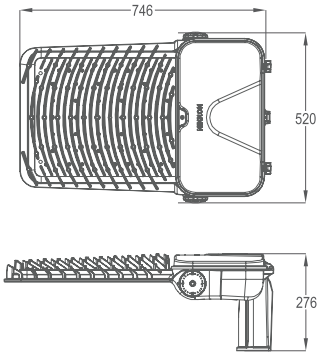
• **LED**	LM 80
• **Driver**	CE, EN 55015, EN 61000, EN 61547, IEC 61347, EN 62493, IEC 60598, EN 50581, IEC 62384
• **Luminaire**	EN 61000, EN 55015, EN 61547, EN 60598, EN 62471, EN 62493, IEC 62722, LM79, CISPR15

DIMENSION

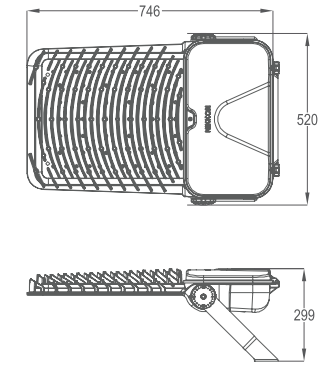
SIDE ENTRY



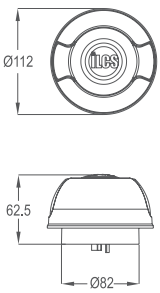
POST TOP

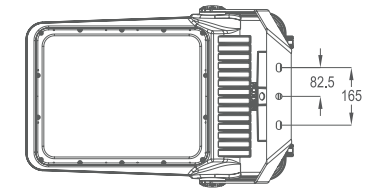


MOUNTING BRACKET



Light Control Unit





* Please indicate series, color temperature, angle and wattage when ordering.

Note: All specifications are subject to change without prior notice for product improvement. Images, pictures and illustrations used are for illustrative purposes only and the color printed in the brochure may differ from the actual product.

PHOTOMETRIC AND ISO ILLUMINANCE DIAGRAM

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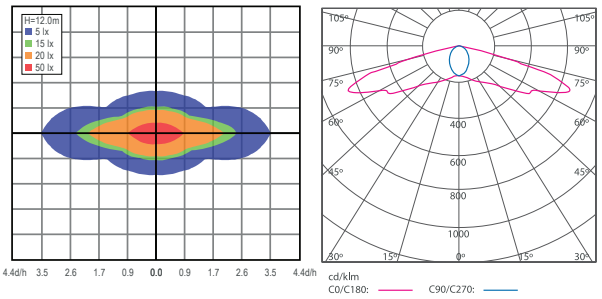
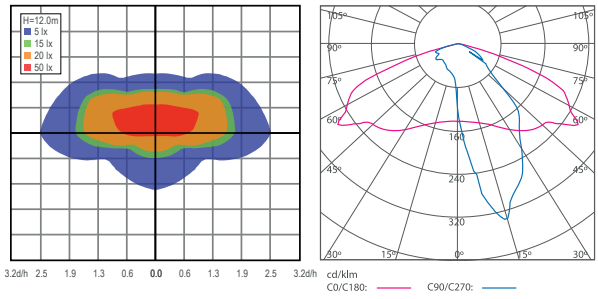
TYPE I - Rural Road



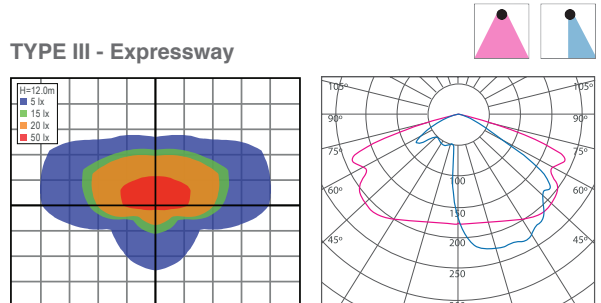
WATTAGE	200W	250W	300W	350W
TYPICAL LUMINOUS FLUX	26770 lm	32800 lm	40080 lm	44620 lm

TYPE II - Urban Road



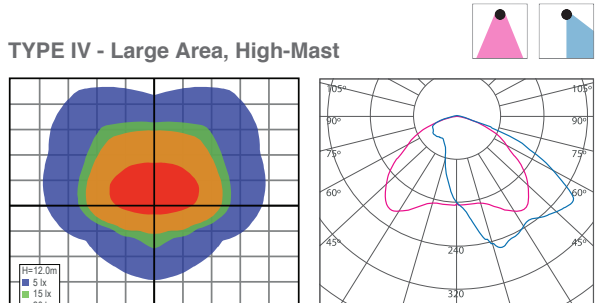
WATTAGE	200W	250W	300W	350W
TYPICAL LUMINOUS FLUX	24890 lm	30640 lm	36770 lm	41160 lm

TYPE III - Expressway



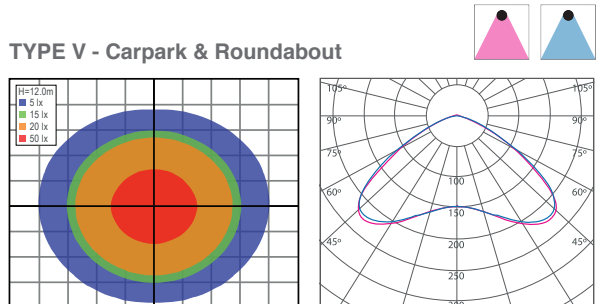
WATTAGE	200W	250W	300W	350W
TYPICAL LUMINOUS FLUX	26090 lm	32290 lm	38760 lm	43530 lm

TYPE IV - Large Area, High-Mast



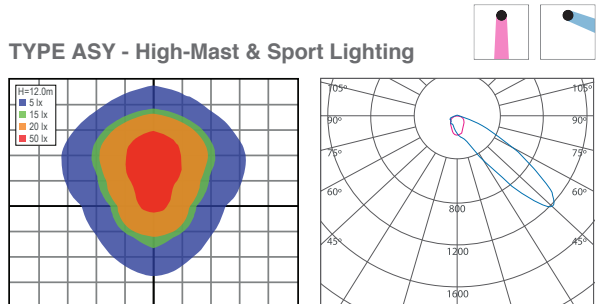
WATTAGE	200W	250W	300W	350W
TYPICAL LUMINOUS FLUX	25490 lm	31910 lm	38120 lm	42830 lm

TYPE V - Carpark & Roundabout



WATTAGE	200W	250W	300W	350W
TYPICAL LUMINOUS FLUX	25890 lm	32130 lm	38660 lm	43610 lm

TYPE ASY - High-Mast & Sport Lighting



WATTAGE	200W	250W	300W	350W
TYPICAL LUMINOUS FLUX	27100 lm	33640 lm	39900 lm	45420 lm

INTELLIGENT LIGHT CONTROL SYSTEM (iLCS)

iLCS®
Intelligent Light Control System

Our cities are rapidly transforming into artificial ecosystems of interconnected and interdependent intelligent digital organisms. Fast urbanization plays an integral role in economic and societal progress which represents the fundamentals of new technological condition confronting architects and product designers. Traffic congestion, energy usage, public safety and establishing sustainable communities are the few key challenges faced by cities. As such, development and implementations of intelligent solutions are needed.

Smart cities are measured by the integration of their infrastructure and the intelligent solutions which they tackle challenges. Constant attention to providing a better quality of life and vibrant economic climate is essential to engage and attract new residents, businesses and visitors. Our Intelligent Light Control System (iLCS) introduces a modular approach, with the energy saving generated by remote controls for street lightings. This will create a new neural infrastructure network ready to obtain and collect necessary data to activate intelligent solutions.

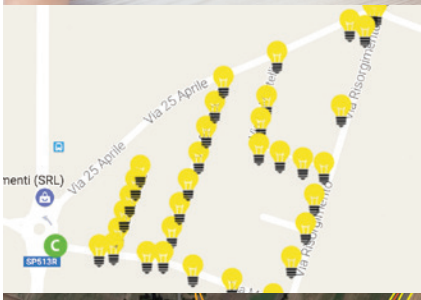
GLOBAL UNIQUE ADVANTAGES

Wireless Mesh Network
- Auto mesh networking between Light Control Unit (LCU)
- Low latency communication with response <1 second, thousands of luminaires could be turned on in a few milliseconds
- Message priority (QOS), messages with high priority are delivered and goes through the network before others
- Same platform for street lighting-industrial-indoor

Plug and Play GPS Mapping
- LCUs embedded with GPS, automatic geolocation of light point
- Real time clock on LCU directly synchronized with GPS satellites
- Sunset and sunrise time is automatically calculated from the GPS coordinates directly in LCU
- Autonomous operation with weekly profile considering GPS coordinates and astronomical clock

Real Time Control, Metering and Alerts
- Real time control of each luminaire
- Dimming for exact consumption
- Real time measurements of consumption
- Real time alerts provide information on luminaire failure, tracking abnormal energy use
- Detailed working time counters

Installation Features
- Possibility to use a portable device to turn on/off/dim manually a certain area of nodes for diagnostics or installation purposes
- Factory default profile with autonomous weekly program
- External input sensors (3 ADC 0-30V dynamic range)
- Controlled auxiliary output (for advertisement displays)



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