Easy Catalogue
LED Lighting

NIKKON®

/CONTENT/

Note: All specifications are subject to change without prior notice for product improvement.
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WHITE LIGHT, ENERGY MANAGEMENT, NIGHT PRESERVATION AND SOLID-STATE LIGHTING

THE NEXT-GENERATION OF LIGHT MANAGEMENT SYSTEM

The landscape of the lighting industry is changing fast, driven by the energy-efficiency imperative and the world of possibilities opened up by the LED revolution, not to mention legislative pressures such as Kyoto and the Energy-using Products directive.

Therefore, in order to help municipal decision makers keep up to date with the latest developments and the best solutions for creating a sustainable city, NIKKON® is spreading the world under the theme of Sustainable Cities with the four key cornerstones: **White Light, Energy Management, Night Preservation and Solid-State Lighting.** In this way, we are able to help urban authorities to cut down energy costs, avoid air pollution, reduce uncontrolled light spill and ensure the safety thereby helping to improve the quality of life in their towns and cities.

Modern technology opens up a huge realm of opportunities for cities, NIKKON® Lighting Solutions not only offers state-of-the-art, energy-saving LED street lights with excellent luminance properties, by using the advanced wireless networking technology, we open up new opportunities to integrate additional smart functionality into street illumination networks.

With the implementation of NIKKON® **Intelligent Light Control System (iLCS)**, the operator able to control and monitor lights individually, in groups, or by entire streets or blocks using computer software. In additional, city planner is able to simplify the municipal light management, improve functionality and even allow the city to set up a public WiFi network where appropriate.

WE LOOK FORWARD TO LIGHT UP YOUR WORLD!

ABOUT SUCCESS

Success Electronics & Transformer Manufacturer Sdn. Bhd. (Success) is one of the largest lighting & transformer manufacturing company incorporated in Malaysia since 1980. It is wholly owned by Success Transformer Corporation Berhad. The company develops, manufactures and distributes leading-edge LED industrial lighting, transformer and automotive battery charger products.

With a rich history of industry "firsts," Success is uniquely positioned to deliver lighting advancements well into the future by maintaining an unwavering focus on quality, innovation and reliability. **NIKKON**® has a long-standing commitment in providing lighting solutions that improve people's lives and are environmentally sound.

Advanced lighting concepts by **NIKKON**® Lighting Solutions give lighting designers and planners plenty of flexibility in ensuring pleasant illumination, excellent visibility, clear guidance and a positive aesthetic appeal while enhancing safety. What is more, LED technology is economical thanks to the low energy consumption and easy maintenance.

To learn more about **NIKKON**® lighting, please visit **www.nikkonlighting.com**

To learn more about our portfolio and more products from Success, please visit **www.success.com.my**

To learn more on STC, please visit our Corporate Website: **www.stcgroup.com.my**

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 & 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 by which they tackle challenges. Constant attention in 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, firstly with the energy saving generated by remote controls for street lightings. This will create a new neural infrastructure network ready to obtain and collect the data necessary to activate intelligent solutions.

The (iLCS) provides robust and sustainable solutions for outdoors and indoors lighting by means of energy saving, operating costs optimization, troubleshooting and fault reporting, smart lighting programs and measurements.

Energy Savings

- Light dimming
- Control ON/OFF
- Autonomous programming slots (time on, time off) with defined dimming percentage
- Defining different weekly profiles
- Light off during maintenance

Operating Cost Optimization

- Optimization of maintenance activities
- Improvement of logistics operations
- Forecasting through end-of-life alerts
- Warehouse optimization and better management of vehicles
- Improvement in troubleshooting

Troubleshooting and Fault Reporting

- Luminaire burned out
- No input current
- Flickering luminaire
- Overvoltage or under voltage power

Smart Lighting Programs

- Time slots defined on the profile of each luminaire or group of luminaires
- Sunset and sunrise time calculated automatically
- Input from external sensors

Measurements

- Supply voltage
- Active power
- Active energy
- Current consumption
- External analog sensors (temperature, humidity, etc.)

LEDXION Galaxy Series

Street Lighting 30W~200W

LEDXION S466

Street Lighting 200W~350W

LEDXION S436

Street Lighting 150W~190W

LEDXION S433

Street Lighting 90W~150W

ARGENTO **S433-MP**

Street Lighting 85W~145W

ARGENTO **S436-MP**

Street Lighting 165W~185W

ARGENTO **S419**

Street Lighting 30W~90W

LEDXION **S439**

Solar Street Lighting 30W~60W

LEDXION ECO GEN 2

Highbay Lighting 40W~160W

LEDXION S6310

Highbay Lighting 40W~190W

DRACO UFO-MP

Highbay Lighting 100W~240W

LEDXION SMS LB (SURFACE)

Lowbay Lighting 40W~160W

LEDXION RMS LB (RECESSED)

Lowbay Lighting 40W~160W

Type 1

Standard LED Floodlight
140W~230W

Type 2

Pole Mounted/Street Lantern
140W~230W

Type 3

Wall Mounted LED Floodlight
140W~230W

Type 4

Mounting Bracket Floodlight
140W~230W

Type 1 Super Narrow Bean

Standard LED Floodlight
125W & 190W

Type 4 Super Narrow Bean

Mounting Bracket Floodlight
125W & 190W

RGB

Floodlight 110W

LEDXION **S2125**

Floodlight 100W & 125W

LEDXION **S2090N**

Floodlight 90W

LEDXION **S2090-MP**

Floodlight 90W

LEDXION **S2190**

Floodlight 150W & 190W

LEDXION **S2180N**

Floodlight 180W

LEDXION **S2180-MP**

Floodlight 180W

LEDXION **AEROS HEAVY DUTY**
Floodlight 360W

LEDXION **AEROS HEAVY DUTY**
Floodlight 540W

LEDXION **MINIATURE SERIES**

Floodlight 20W~60W

LEDXION **S3060 HP**

Floodlight 30W & 60W

BRONZO **S3060 AC**

Floodlight 30W & 60W

ARGENTO **S0728**

Floodlight 25W

ARGENTO **PLANT GROWTH**

Floodlight Plant Growth 40W~90W

ARGENTO **SS316**

Floodlight 30W~60W

DRACO **RGB WALLWASHER**

Architectural Lighting 36W & 18W

ARGENTO **SS WALLWASHER**

Architectural Lighting 30W~60W

DRACO IP66 PC WEATHER PROOF

Architectural Lighting 44W

DRACO IP65 PC WEATHER PROOF

Architectural Lighting 24W & 45W

DRACO K18101 2'x 2' PANEL LIGHT

Architectural Lighting 36W

ARGENTO **UP DOWN WALLWASHER**

Outdoor Commercial Lighting 2 X 10W

ARGENTO **UP DOWN LIGHTER**

Outdoor Commercial Lighting 2 X 10W

DRACO **S1070 WALL LIGHT**

Outdoor Commercial Lighting 20W & 40W

DRACO **ROUND WALL LIGHT**

Outdoor Commercial Lighting 20W

DRACO **GROUND RECESSED LIGHTING**

Ground Lighting 6W & 18W

DRACO **OVAL DOWN LIGHTER**

Outdoor Commercial Lighting 6W

ARGENTO **COB ROUND**

Downlighting 13W

ARGENTO **COB RECTANGLE**

Downlighting 25W

ARGENTO **COB MATRIX**

Downlighting 1 x 13W & 2 x 13W

ARGENTO **ADJUSTABLE ROUND**

Downlighting 26W

DRACO **ECO ROUND 4" & 6"**

Downlighting 15W & 18W

DRACO **ECO SQUARE 4" & 6"**

Downlighting 15W & 18W

BRONZO AC CUBE RECESSED

Downlighting 12.5W~25.3W

BRONZO AC CUBE SURFACE

Downlighting 12.5W~25.3W

ARGENTO ECO II ROUND 4" & 6"

Downlighting 12W & 18W

ARGENTO CYLINDER TRACK LIGHT 85

Downlighting 13W

ARGENTO CYLINDER TRACK LIGHT 100

Downlighting 26W

DRACO LED EMERGENCY LIGHT KIT

Downlighting 2W

ARGENTO **MA S17106 COB MODULAR**

Downlighting 1 X 13W

ARGENTO **MA S17106 COB MODULAR**

Downlighting 2 X 13W

ARGENTO **MA S17106 COB MODULAR**

Downlighting 3 X 13W

ARGENTO **MA S17106 PREVA COIN III AC**

Downlighting 1 X 15.5W

ARGENTO **MA S17109 PREVA COIN III AC**

Downlighting 2 X 15.5W

ARGENTO **MA S17112 PREVA COIN III AC**

Downlighting 3 X 15.5W

Empowered by Innovation

NEC

UNIVERGE®

SV9100

COMMUNICATIONS SERVER

Smart Communications for **Small and Medium Businesses**

Effective communications is critical to business success. The UNIVERGE SV9100 allows businesses of any size to access advanced communications features that are usually reserved for large enterprises. Video and audio conferencing, messaging, directory, presence, contact centre and soft phones, all powered by a reliable rack stackable appliance. The UNIVERGE SV9100 provides the communications features Small and Medium businesses demand.

The UNIVERGE SV9100 offers:

> A seamless mix of IP and traditional phone services.

> Embedded video and audio conferencing.

> Enhanced Unified Communications and mobility features.

> Lower carriage costs with SIP trunks.

> A rack mountable chassis that can incorporate telephony, networking, server and gateway hardware.

> The capability to mesh up to 50 systems into a single image communication platform.

The SV9100 will grow as your business grows.

The SV9100 meets all your communications needs.

Chassis	1	2	3	4	System maximum
Handsets					
Digital handsets	80	176	272	368	896
Analogue	80	176	272	368	896
NEC IP			896		
SIP			896		
Softphones			256		
Trunks / features					
Analogue	40	88	136	184	400
BRI	40	88	136	184	400
PRI	90	180	270	360	400
IP trunks			400		
NetLink			50 Sites		
K-CCIS			400 (Over IP)		
Gigabit - POE		Maximum 12 blades per system (8 ports per blade)			

Applications	
UC Suite	512 clients with external server, 128 clients without external server*
Contact Centre (ACD)	200 agents, 64 ACD groups
Unified Messaging (InMail)	16 ports (up to 120 hours for recordings)
Unified Messaging (UM8000)	16 ports (up to 500 hours for recordings)
Conference bridge	Up to 32 ports
Video	Inbuilt 4 party bridge
Physical conditions	
Operating temperature	0°C ~ 40°C
Humidity	20 ~ 90% RH (non-condensing)
Weight	7.9kg (without cards)
Width	430mm (designed for a 19" rack)
Height	88mm (2RU)

* For each softphone used capacity is reduced by 1.

About NEC Corporation - NEC Corporation is a leader in the integration of IT and network technologies that benefit businesses and people around the world. By providing a combination of products and solutions that cross utilize the company's experience and global resources, NEC's advanced technologies meet the complex and ever-changing needs of its customers. NEC brings more than 100 years of expertise in technological innovation to empower people, businesses and society. For more information, visit NEC at http://www.nec.com

UNIVERGE SV9100DataSheet | v.20150115

\Orchestrating a brighter world

NEC

Smart Communications for
small businesses and more

SL2100

Cost-Effective, Feature-Rich & VoIP-Ready Solution
with More IP Technology Built-In

The SL2100 Communications System works at a number of levels: a cost-effective VoIP enabled phone system, an easily expanded solution with entry-level unified communications or a reliable TDM based PBX with excellent upgrade potential.

Much of the technology is built-in – reducing the need for extra hardware, licensing and maintenance, all contributing to a sharp price point and low running costs.

These features enable the user to meet the demands of today's business including mobility, security, connectivity and ensuring customer service levels are kept at a premium.

As a premises-based system – the SL2100 provides reliability and value.

Built-in features

> VoIP Enabled
> Voicemail
> Music on Hold
> Mobility / Remote / Home Office User Support
> Auto Attendant
> Audio Conferencing
> Video Conferencing & Collaboration (license required)
> Call Recording
> E911
> And more!

At a Glance

> Powerful communications with a small business price tag
> Delivers an integrated Unified Communications solution that enhances your organization's productivity and collaboration
> Completely scalable as your business grows
> Intuitive applications and features that are easy to use
> E911 feature alerts specified users of the location of the 911 call so that first responders can be easily directed once onsite

As one of NEC's InApp solutions, features include:
> Built-in / embedded applications (License Required)
> InUC Unified Communications
> Video conferencing & Collaboration
> Browser-based & available 24/7
> Extremely cost-effective
> No extra PC/Server required - data is stored on the CPU
> Save on hardware costs & IT maintenance

www.NECSL2100.com

The SL2100 can be easily expanded with up to 3 Chassis – contact your NEC reseller for details

System Characteristics	
Chassis dimensions	435 x 92.9 x 330 mm / 2.2Kg
Chassis power supply	90-264 VAC (50/60Hz) 143-182 VA
Compliance	The SL2100 carries a CE mark and complies with: EMC: EN55032 Emission, EN55024 Immunity, EN61000 Powering Safety: EN60950-1 Transmission and signalling: TBR3 (ISDN Basic Rate Access), TBR4 (ISDN Primary Rate Access), TBR8 (ISDN 3.1KHz audio service), ES203-021, TBR38 (Analog transmission)

Number of Chassis		1	2	3
Total Ports			256	
Trunk Ports	Maximum	42	84	126
	Analog	12	24	36
	PRI	24	48	72
	IP Trunk (SIP/H.323)		64	
Extension Ports	Maximum	54	92	128
	Multi-Line Telephone (MLT)	24	48	72
	Single Line Telephone (SLT)	32	64	96
	IP Terminal (SIP-MLT/Std.)		112	
	DSS Console		12	
	Door phone		6	
Virtual Extension Port			50	
External Paging			3	
External MOH			1	
BGM			1	
Relay			11	
Ethernet Port			1	
Analog Modem			1	

CPU Option	CPU-C1
Built-In Answering Machine Channel / VRS Channel	4
Built-in VRS Messages	100
Built-in Voicemail Channel	4
Built-in Voicemail Storage	2 hours
Built-in IP resources	8

Category	Hardware Name	Description	1	2	3
System	IP4WW-Battery Box	External Battery Box	1	2	3
	IP7WW-4KSU-C1	SL2100 Chassis	1	2	3
Option Items on CPU	IP7WW-EXIFB-C1	Interface Card to Expansion Chassis + 16 Channel VRS/InMail Expansion	1	-	-
	IP7WW-EXIFE-C1	Interface card for Expansion Chassis	0	1	2
	IP7WW-VOIPDB-C1	VoIP Resource Expansion Card	1	-	-
	IP7WW-SDVMS-C1	15 Hour Voicemail Storage Expansion	1	-	-
	IP7WW-SDVML-C1	120 Hour Voicemail Storage Expansion	1	-	-
	IP7WW-082U-B1	8 Digital + 2 SLT Extensions Card	3	6	9
	IP7WW-008U-A1	8 SLT Extensions Card	4	8	12
	IP7WW-3COIDB-C1	3 Analog Trunks Daughter Board	4	8	12
	IP7WW-1PRIDB-C1	1 ISDN PRI Daughter Board	1	2	3

www.NECSL2100.com

SL2100 Feature List

> Abbreviated Dialing/Speed Dial
> Account Code Forced/ Verified/Unverified
> Account Code Entry
> Alarm
> Alarm Reports
> Alphanumeric Display
> Analog Communications Interface (ACI)
> Ancillary Device Connection
> Answer Hold/Automatic Hold
> Attendant Call Queuing
> Automatic Call Distribution (ACD)
> Automatic Release
> Automatic Route Selection (ARS/F-Route)
> Automatic System Upgrades
> Background Music
> Barge-In
> Battery Backup - System Memory
> Battery Backup - System Power
> Built-in Automated Attendant
> Call Arrival (CAR) Keys
> Call Duration Timer
> Call Forwarding
> Call Forwarding with Follow Me
> Call Forwarding, Off-Premise
> Call Forwarding/Do Not Disturb
  Override
> Call Monitoring
> Call Redirect
> Call Waiting/Camp-On
> Callback
> Caller ID
> Caller ID - Call Back
> Caller ID - Call Return
> Caller ID - Call Waiting
> Caller ID - Checking
> Caller ID - Flexible Ringing
> Caller ID - Shared Logging
> Class of Service
> Clock/Calendar Display/Time and Date
> Code Restriction/Toll Restriction
> Code Restriction Override/ Toll
  Restriction Override

> Code Restriction, Dial Block/ Toll
  Restriction, Dial Block
> Conference
> Conference, Remote
> Conference, Voice Call/ Privacy Release
> Conferencing, Video WebRTC
> Contact Center Software
> Continued Dialing
> Data Line Security
> Delayed Ringing
> Department Calling
> Department Step Calling
> Dial Pad Confirmation Tone
> Dial Tone Detection
> Dialing Number Preview
> Digital Call Logging (recording)
> Digital Trunk Clocking
> Direct Inward Dialing (DID)
> Direct Inward Line (DIL)
> Direct Inward System Access (DISA)
> Direct Station Selection (DSS) Console
> Directed Call Pickup
> Directory Dialing
> Distinctive Ringing, Tones and Flash
  Patterns
> Do Not Disturb (DND)
> Door Box
> Drop Key
> Ecologically Sound Power Saving Mode
> E911 Compatibility
> Flash
> Flexible System Numbering
> Flexible Timeouts
> Forced Trunk Disconnect
> Group Call Pickup
> Group Listen
> Handset Mute/Handset Cutoff
> Hands-free and Monitor
> Hands-free Answerback/ Forced Intercom
  Ringing
> Headset Operation
> Hold

> Hotel/Motel
> Hotel/Motel - Do Not Disturb
> Hotel/Motel - DSS Console Monitoring
> Hotel/Motel - Message Waiting
> Hotel/Motel - Room Status
> Hotel/Motel - Room Status Printout
> Hotel/Motel - Room-to-Room
  Call Restriction
> Hotel/Motel - Single Digit Dialing
> Hotel/Motel - Toll Restriction
  (When Checked In)
> Hotel/Motel - Wake Up Call
> Hot Key-Pad
> Hotline
> Howler Tone Service
> InMail-Automatic Access to VM
  by Caller ID
> InGuard-Toll Fraud Protection
> InMail - Cascade Message Notification
> InMail - Email Notification
> InMail - Find-Me Follow-Me
> InMail - Language Setting
> InMail Park and Page
> InMail Upload Download Audio
> InUC
> Intercom
> Intercom SMDR
> IP Multiline Station (SIP)
> IP Single Line Telephone (SIP)
> IP Trunk - (SIP)
> ISDN Compatibility (PRI)
> Last Number Redial
> Licensing
> Line Preference
> Long Conversation Cutoff
> Loop Keys
> Maintenance
> Meet Me Conference
> Meet Me Paging
> Meet Me Paging Transfer
> Memo Dial
> Message Waiting

- Microphone Cutoff
- Mobile Extension
- Mobile Extension - Callback to Mobile Phone
- Multiple Trunk Types
- Music on Hold
- Name Storing
- Navigation Key
- Night Service
- Off-Hook Signaling
- One-Touch Calling
- Operator
- Paging, External
- Paging, External (VRS)
- Paging, Internal
- Park
- PBX Compatibility/Behind PBX
- PC Programming
- Power Failure Transfer
- PRI Compatibility
- Prime Line Selection
- Private Line
- Programmable Function Keys
- Programming from a Multiline Terminal
- Pulse to Tone Conversion
- Redial Function
- Remote (System) Upgrade
- Repeat Redial
- Reverse Voice Over
- Ring Groups
- Ring-down Extension (Hotline), Internal/External
- RoHS Compliant
- Room Monitor

- Save Number Dialed
- Secondary Incoming Extension
- Secretary Call (Buzzer)
- Secretary Call Pickup
- Security
- Selectable Display Messaging
- Selectable Ring Tones
- Serial Call
- Single Line Telephones
- SL Net (Networking)
- Smartphone SIP App
- Softkeys
- Station Hunt
- Station Message Detail Recording
- Station Name Assignment - User Programmable
- Station Relocation
- T1 Trunking (with ANI/DNIS Compatibility)
- Tandem Ringing
- Tandem Trunking (Unsupervised Conference)
- TAPI Compatibility
- Tone Override
- Traffic Reports
- Transfer
- Trunk Group Routing
- Trunk Groups
- Trunk Queuing/Camp-On
- Unicast/Multicast Paging Mode
- Uniform Call Distribution (UCD)
- User Programming Ability
- Virtual Extensions
- Voice Mail Message Indication on Line Keys

- Voice Over
- Voice Response System (VRS)
- Voice Response System (VRS) Upload Download Audio
- Voice Response System (VRS) - Call Forwarding - Park and Page
- Volume Controls
- Warning Tone for Long Conversation

Note: Some features may be optional or available at a future date

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Corporate Headquarters Japan)
NEC Corporation
nec.com

North America (USA & Canada)
NEC Corporation of America
necam.com

NEC Enterprise Solutions
NEC Europe Ltd
nec-enterprise.com

APAC
NEC Asia Pacific Pte Ltd
sg.nec.com

Latin America
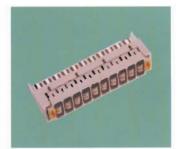NEC Latin America
lasc.necam.com

Terminal Block, Distribution Boxes & Frame

10 Pairs Disconnection Module
P/N : MK4-V8
Approved By SIRIM & TELEKOM

10 Pairs Connection Module
P/N : MK4-V6
Approved By SIRIM & TELEKOM

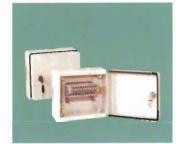**Magazine Loaded With 3 Pole Fail Safe Lightning Arrester**
P/N : MK4-V11

10 Pairs D/B With Foldable Frame Fit For Module & Arrester
P/N : MK-410P

10 to 30 Pairs ABS Plastic D/B
Sirim : LABA/66A/0602/M
P/N : MK-430P

10 to 60 Pairs ABS Plastic D/B
Sirim : LABA/60A/1099/M
P/N : MK-460

30 Pairs Metal D/B
Sirim : LABA/59A/1099/M
P/N : MK-430

50 Pairs Metal D/B
Sirim : LABA/45A/0599/M
P/N : MK-450

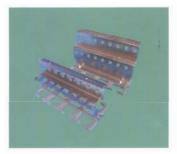**100 Pairs Metal D/B**
Sirim : LABA/46A/0599/M
P/N : MK-4100

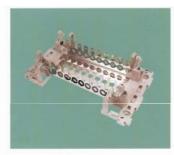**200 Pairs Metal D/B**
Sirim : LABA/58A/1099/M
P/N : MK-4200

400 Pairs Metal D/B
P/N : MK-4400

150 Pairs Resessed Frame For 19" Rack
P/N : MK4 F150R

8 & 16 Way DDF Block

100 to 300 Pairs Mounting Frame With Plastic Fitting

1 Vertical Wall Mounting Ring For 100 to 400 Pairs Frame

2 Vertical Wall Mounting Ring For 200 to 800 Pairs Frame

600 Pairs Floor Stand Main Distribution Frame
P/N : MK4 VS1600

1200 Pairs Floor Stand Main Distribution Frame
P/N : MK4 VS2600

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LED Lighting

NIKKON®