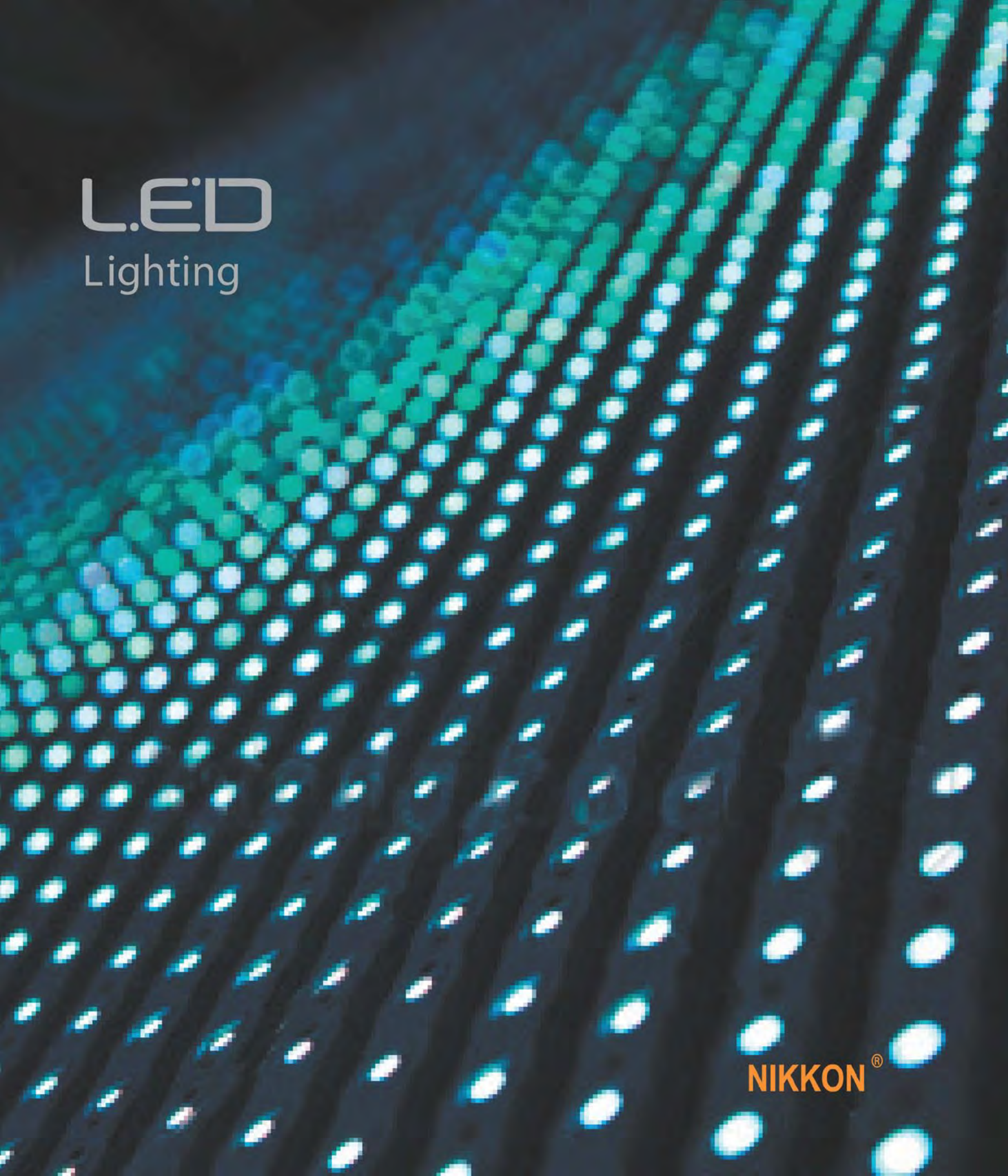




LED

Lighting

NIKKON®



one way track to success

about us

Success Electronics & Transformer Manufacturer (SUCCESS) is a well known lighting and low-voltage transformer manufacturer based in Malaysia. It is wholly owned by **Success Transformer Corporation Bhd**, which is listed on Malaysia's securities exchange, Bursa Malaysia. The company was established since 1980, with the accreditations of ISO9001:2008 Quality Management System Standards certification.

SUCCESS is the specialist in both lighting and transformers, in which the expertise lies in the design, integration, manufacture and supply of the premium quality products. Currently, **SUCCESS** has over 1000 distributors throughout Malaysia and export to more than 50 countries around the world. It is our intention to continue expanding our role as a reliable, dynamic and important player both in Malaysia and overseas.

We have a committed and dynamic workforce. From management through technical and Research & Development (R&D) engineers to sales and support staff, we all work as one team with the same goal in mind: Customer satisfaction. This has engendered a loyal customer base. Many of our customers are longstanding indeed, having continued doing business with us since the 1980s.

Constantly forging ahead, we are dedicated to improving our products and customer service.

why choose Success?

First class manufacturing facilities and resources. We invest considerable amount of money upgrading equipments and laboratory testing facilities, enabling us to better test the performance of our lighting and design products before releasing them into the market. In this way we ensure, and maintain quality of the highest standard. The laboratory is equipped with Goniophotometric and Spectroradiometric systems that enable us to fully test energy efficient lighting in order to comply with the GREEN ENERGY product category standard. The laboratory also has a dust chamber, water-proof tester, humidity tester and salt fog corrosion tester.

Products are constantly upgraded, and new products innovated, to offer customers a wider range of lighting. The research and development team is currently looking into renewable (such as solar, pico hydro and wind) energy products and energy efficient industrial lighting products.

We are a one-stop lighting manufacturer that can provide custom-made energy efficient luminaire designs, using the skills of our well experienced staff and full state-of-the-art testing lab facilities. We use this expertise and top of the range software and equipment to provide comprehensive lighting design simulations for our customers or lighting consultants, according to their specific needs. We can simulate all kinds of designs for all kinds of situations producing lifelike renderings so that customers can see as realistically as possible what the design or area looks like.

We are an Original Design Manufacturer (ODM) – we design and manufacture products for customers under their own brands.

We are an Original Equipment Manufacturer (OEM) – we manufacture products for customers according to their designs, under their own brands.

Success Electronics and Transformer Manufacturer Sdn Bhd is highly respected in the marketplace with an exemplary track record. We are committed to our customers.

Knowledgeable and professional sales team providing good customer support and after-sales service.



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INDOOR DOWNLIGHT



INDOOR DOWNLIGHT

LEDXION K01116 13W



LED performance highlight

- **Citizen CLL020 typical luminous flux**
890lm
- **viewing angle**
120°
- **thermal resistance**
1.5°C/W
- **max junction temperature**
150°C

application

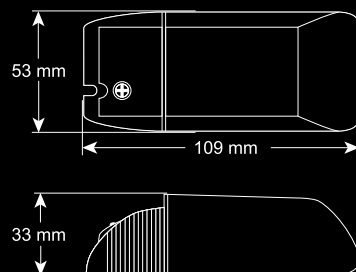
- wash rooms
- shopping malls
- commercial areas
- residential areas

technical data

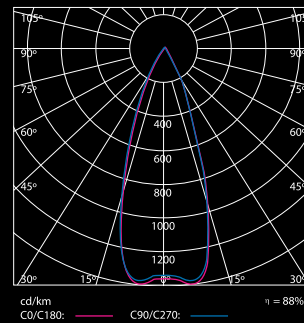
- **LED light source**
Citizen CLL020-1204A1
- **max LED module power consumption**
13W
- **actual measured luminous flux**
750lm
- **color temperature**
3000K
- **rendering index**
85
- **LED life cycle**
50,000 hrs
- **housing material**
high pressure aluminium die-cast housing complete with white epoxy powder coating

- **operating temperature**
-20°C ~ +45°C
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
15.5W
- **insulation classification**
class I
- **ingress protection**
IP20
- **opening hole**
Ø92mm
- **weight**
0.50kg

dimension



photometric



INDOOR DOWNLIGHT

LEDXION K01117 13W

LEDXION K01118 20W

04



LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°

application

- wash rooms
- shopping malls
- commercial areas
- residential areas
- offices

technical data

- **LED light source**
 - LEDXION K01117:
6 pcs LUMILEDS LUXEON Rebel ES
 - LEDXION K01118:
9 pcs LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
 - LEDXION K01117 : 13W
 - LEDXION K01118 : 20W
- **typical luminous flux**
 - LEDXION K01117 : 980lm
 - LEDXION K01118 : 1470lm
- **color temperature**
5300K, 3500K
- **rendering index**
70
- **LED life cycle**
50,000 hrs
- **housing material**
high pressure aluminium die-cast housing complete with white epoxy powder coating
- **mounting system**
2 nos of spring mounting bracket complete with adjustable angle housing
- **operating temperature**
-20°C ~ +45°C
- **power supply**
220 ~ 240Vac 50 / 60Hz
- **total system power consumption**
 - LEDXION K01117 : 13W
 - LEDXION K01118 : 20W

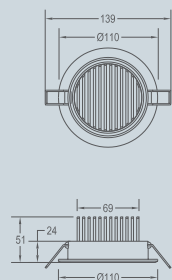
- **insulation classification**
class I
- **ingress protection**
IP20
- **opening hole**
 - LEDXION K01117 : Ø92mm
 - LEDXION K01118 : Ø115mm
- **weight**
 - LEDXION K01117 : 0.50kg
 - LEDXION K01118 : 0.65kg

LED power supply data

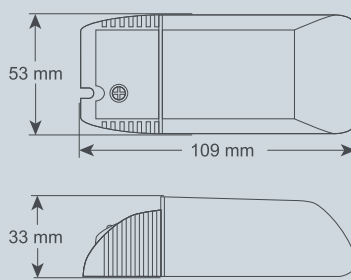
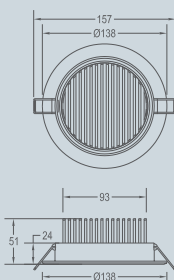
- **model**
 - Osram OPTOTRONIC Ote 15/220-240/700 PC DIMMABLE Electronic LED Driver
 - Osram OPTOTRONIC Ote 20/220-240/700 PC DIMMABLE Electronic LED Driver
- **input voltage**
220 ~ 240Vac
- **power factor**
> 0.90
- **output power**
LEDXION K01117:13 ~16W
LEDXION K01118:16 ~20W
- **output current**
700mA
- **compliance standard**
CE, RCM, IEC 61347 & 62384

dimension

LEDXION K01117

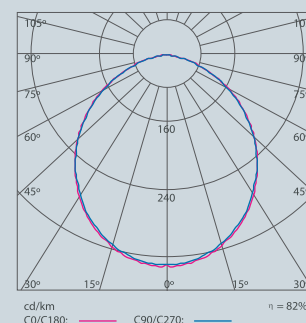


LEDXION K01118



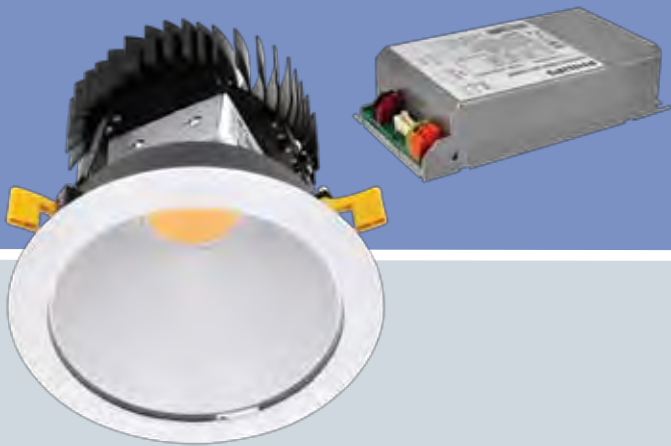
Note: specifications are subject to change without prior notice.

photometric



INDOOR DOWNLIGHT

LEDXION FORTIMO MODULE



LED performance highlight

- **special Fortimo phosphor technology**, enabling very high lm/W performance
- **latest LED techonology inside** ensuring performance and availability
- **future proof concept: lumen packages and light quality stay constant**
- **optimised binning strategy**
- **reduced LED supply chain complexity**
- **square-shaped heat spreader to facilitate optimal heat transfer**
- **diffuser for shaping light distribution**
- **easy mounting options for optics and heat sink**

application

- **offices**
- **public buildings**
- **high-end shops**
- **boutiques**

technical data

- **LED light source**
Philips Fortimo LED DLM module
1100, 2000 & 3000 Generation III
- **max LED module power consumption**
- 11W, 22W & 41W - 4000K
- 12W, 24W & 44W - 3000K
- **operating temperature**
-20°C ~ +50°C
- **typical luminous flux**
1000lm, 2000lm & 3000lm
- **power supply**
100 ~ 240Vac 50 / 60 Hz
- **housing material**
heat resistance polycarbonate

installation system

counter clockwise locking system ease for installation & maintenance

trim material

die-cast aluminium finished with polyester proxy powder coating paint

reflector

high quality pure aluminium with frosted striped finishing

diffuser

high transparency clear tempered glass

heat sink

twist shape high purity aluminium extrusion with polyester powder coating

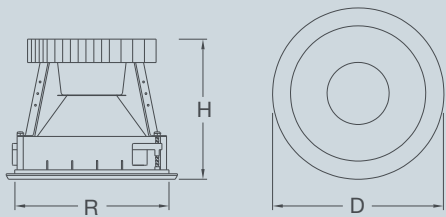
order code

- LEDXION K01101 11W 4000K c/w Philips LED driver
- LEDXION K01102 12W 3000K c/w Philips LED driver
- LEDXION K01104 22W 4000K c/w Philips LED driver
- LEDXION K01105 24W 3000K c/w Philips LED driver
- LEDXION K01114 41W 4000K c/w Philips LED driver
- LEDXION K01115 44W 3000K c/w Philips LED driver

opening hole

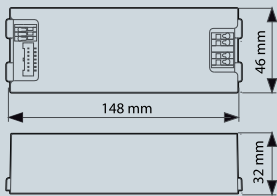
Ø200mm

dimension

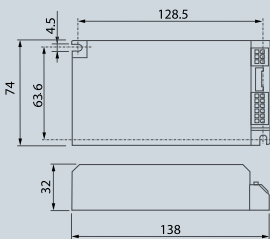


	K01101	K01104	K01114
	K01102	K01105	K01115
H	185	195	220
R	200	200	200
D	220	220	220

Driver for K01101 & K01102

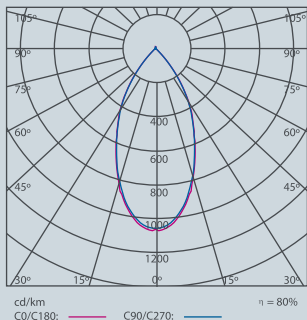


Driver for K01104, K01105, K01114 & K01115



photometric

LEDXION K01115

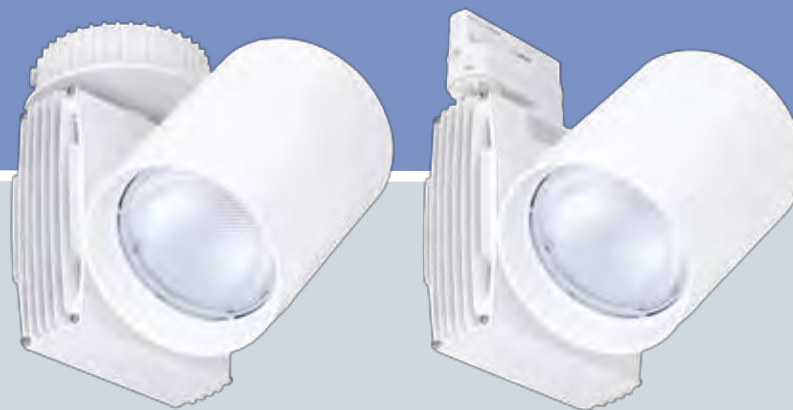


INDOOR LIGHTING

LEDXION K15100 20W

LEDXION K15101 20W

06



application

- offices
- public buildings
- high-end shops
- boutiques

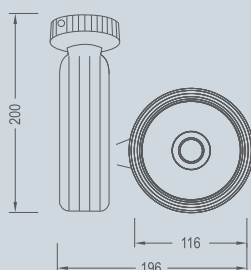
technical data

- **LED light source**
- 20W multi-die modular LED
GB-112-60-65
- **max LED module power consumption**
20W
- **typical luminous flux**
1200lm
- **color temperature**
6500K daylight
- **color rendering index**
80
- **LED life cycle**
30,000 hrs
- **housing material**
die-cast aluminium (white)

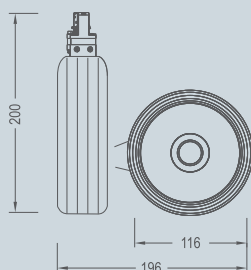
- **power supply**
110 ~ 240Vac 50Hz
- **total system power consumption**
22W
- **power factor**
85%
- **insulation classification**
class I
- **ingress protection**
IP65
- **weight**
2.00kg

dimension

LEDXION K15100 (surface)

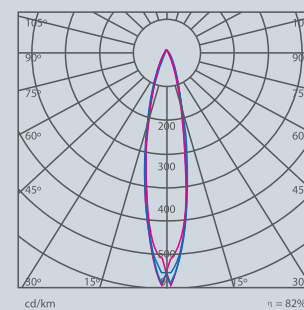


LEDXION K15101 (track)

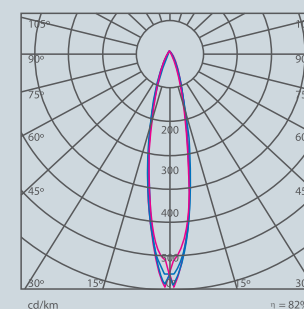


photometric

LEDXION K15100



LEDXION K15101



Note: specifications are subject to change without prior notice.



HIGHBAY & LOWBAY



NIKKON LEDXION LED module - Eco Friendly Solution

Our total systems approach...your total solution

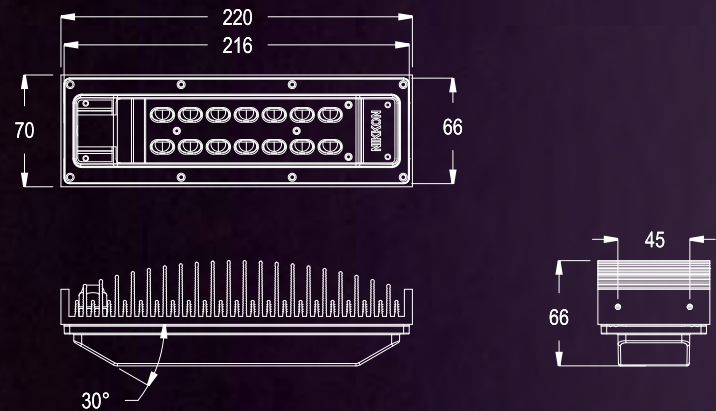
the right LED

To meet today's general lighting requirement, NIKKON work with premier top tier LED supplier from around the world. Our primary LED partner, Philips LUMILEDS control all aspects of its LED manufacturing, from wafer fabrication to final LED package Philips LUMILEDS ensures the finest core light unit.

modular LED

Designed to grow with LED technology, you can select the desired number of LED module to achieve the target output. Individual LED module consists of an array of LED and easy scalability in design.

dimension



features

- minimise maintenance & services costs
- less insect attraction with NO UV light source
- stay bright with high lumen maintenance
- industry leading junction temperature, 150°C
- proper thermal management with integrated heat sink
- superior optic technology

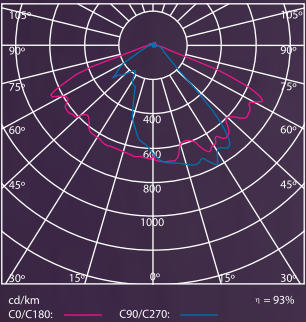
applications

- street lighting
- highbay & lowbay lighting
- landscape lighting
- floodlight
- area lighting

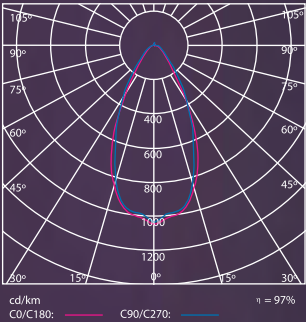


photometric

RT53ES-RT-14SL-2-C-H
RT53ES-RT-14SL-2-C-V



RT53ES-RT-14MB60-2-C-U



technical data

model code	number of LEDs	voltage (Vdc)	current (mA)	power (w)	viewing angle	junction temp.(°C)	Tc (°C)	operating temp. (°C)	color temp. (K)	lum.flux (lm)
RT53S-RT-14SL-2-C-H	14	44.8	700/1000	30/44.8	120	150	75	-30 ~ 50	5300	2700/3400
RT53S-RT-14SL-2-C-V	14	44.8	700/1000	30/44.8	120	150	75	-30 ~ 50	5300	2700/3400
RT53S-RT-14MB60-2-C-U	14	44.8	700/1000	30/44.8	40	150	75	-30 ~ 50	5300	2700/3400

Note: specifications are subject to change without prior notice.

HIGHBAY

LEDXION K14100 120W



10

LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

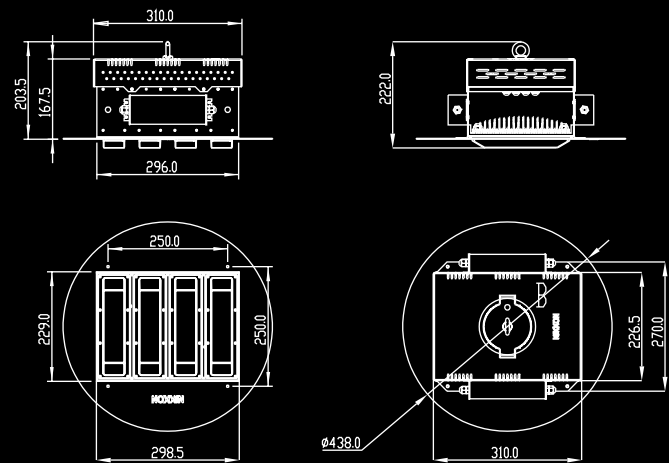
- **warehouse**
- **multipurpose halls**
- **exhibition halls**
- **production areas**

technical data

- **LED light source**
4 LED modules x 14 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
120W (4 LED modules)
- **typical luminous flux**
 - 11500lm - 4 LED modules (narrow beam)
 - 11400lm - 4 LED modules (wide beam)
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
cold roll steel finished with durable resin epoxy powder coating paint (RAL 9010)
- **operating temperature**
-30°C ~ +50°C

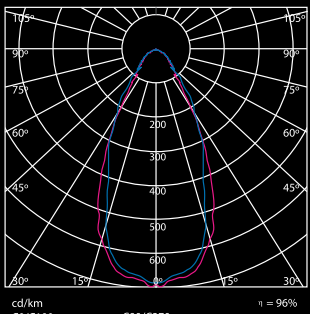
- **power supply**
90 ~ 295Vac 50 / 60Hz
- **max system power consumption**
143W(4 LED modules)
- **classification**
class I power supply
- **ingress protection**
IP66 (lamp & gear compartments)
- **weight**
7.8kg
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031:2008

dimension

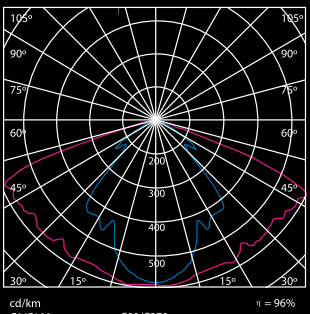


photometric

LEDXION K14100 (narrow beam)



LEDXION K14100 (wide beam)



Note: specifications are subject to change without prior notice.

LOWBAY

LEDXION K03104 120W (Recessed) LEDXION K03106 120W (Surface)



LED performance highlight

- **typical luminous flux & efficiency @350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

applications

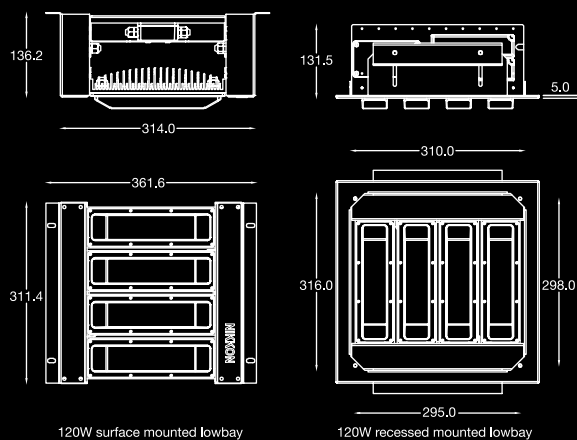
- petrol stations
- canopy lightings
- warehouses
- exhibitions
- gymnasiums
- toll plazas
- production areas

technical data

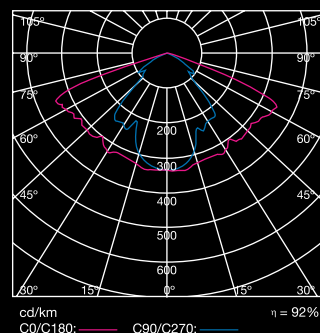
- **LED light source**
4 LED modules x 14 LUMILEDS
LUXEON Rebel ES
- **max LED module power consumption**
120W
- **typical luminous flux**
11400lm - 4 LED modules
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
cold roll steel finished with durable
resin epoxy powder coating paint
(RAL 9010)
- **operating temperature**
-30°C ~ +50°C

- **power supply**
90 ~ 295Vac 50/ 60 Hz
- **max system power consumption**
143W (4 LED modules)
- **classification**
class I power supply
- **ingress protection**
IP66 (lamp & gear
compartment)
- **weight**
9kg
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031:2008

dimension



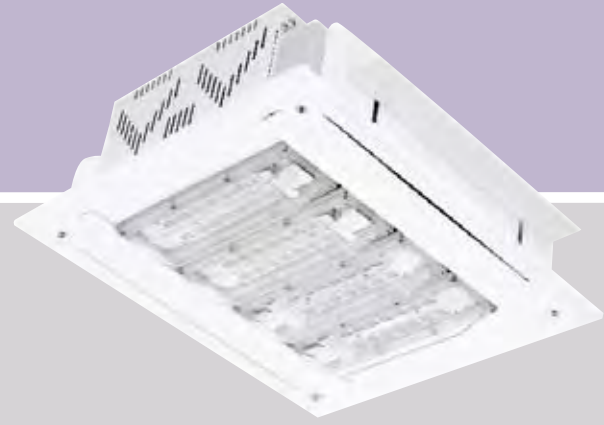
photometric



order code

- 120W Recessed Mounted Lowbay (4 x LED module) - LEDXION K03104
- 120W Surface Mounted Lowbay (4 x LED module) - LEDXION K03106





installation - procedure for recess mounting

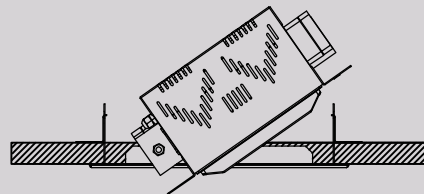


step 1

make an opening on ceiling approx. 370mm x 325mm.

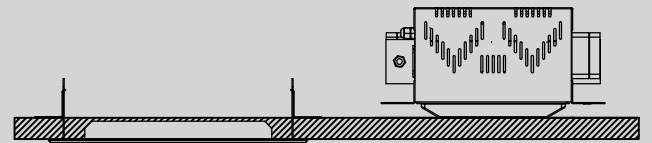
step 2

insert recess mounting frame and clamp ceiling using the two adjustable clamp angles. Ceiling thickness not to exceed 50mm.



step 3

insert luminaire at an incline through opening of recess mounting frame.

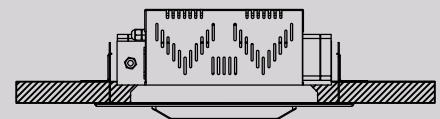


step 4

rest luminaire on ceiling and align to orientation required.

step 5

connect the AC supply through the cable glands. AC supply shall be 3 core with external diameter of 6mm.



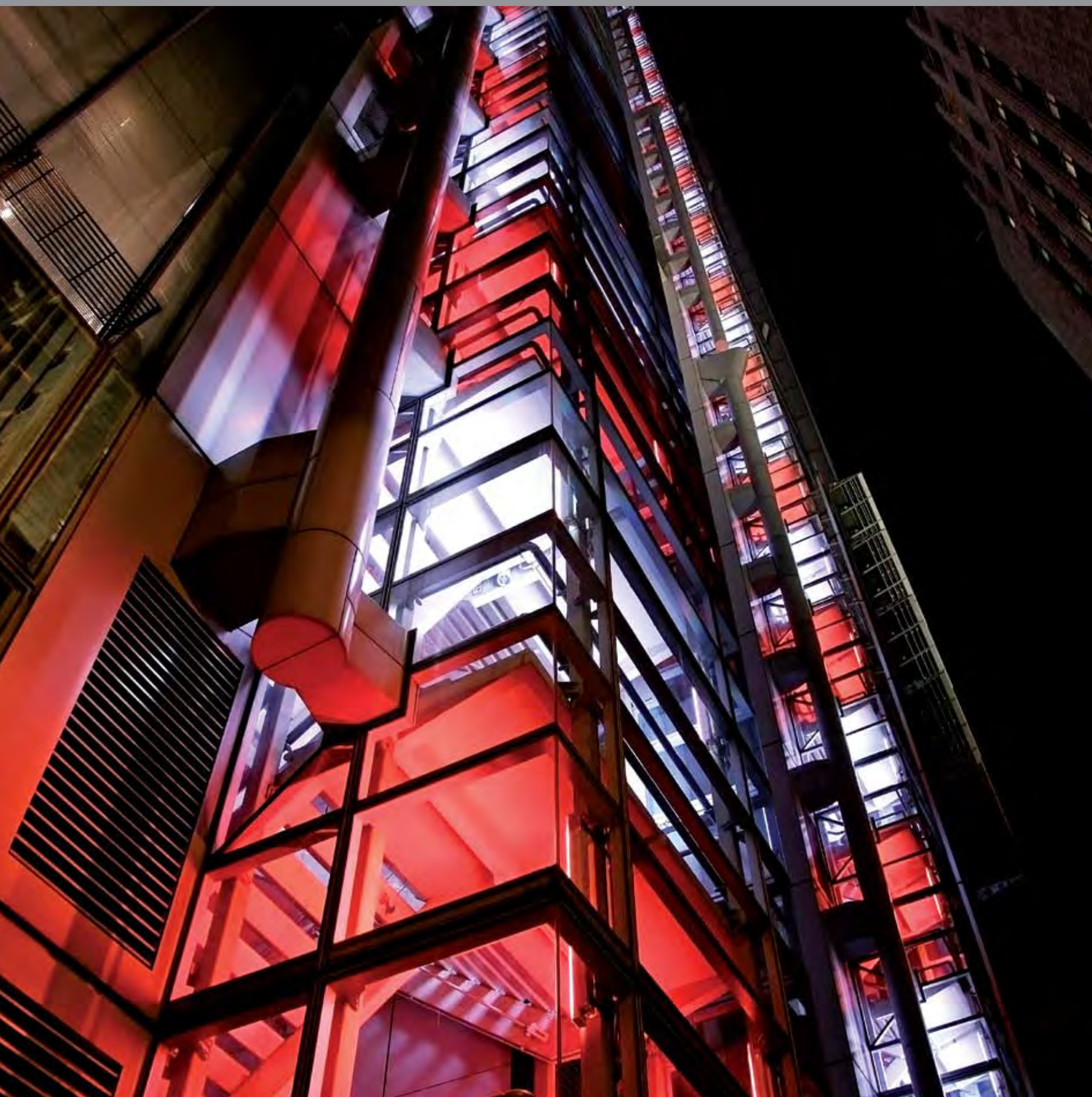
step 6

sit luminaire into recess mounting frame and fasten luminaire to frame using the 4 pieces of m4 bolts provided.





FLOODLIGHT



FLOODLIGHT

LEDXION K10114 60W & 90W



LED performance highlight

- **typical luminous flux**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

applications

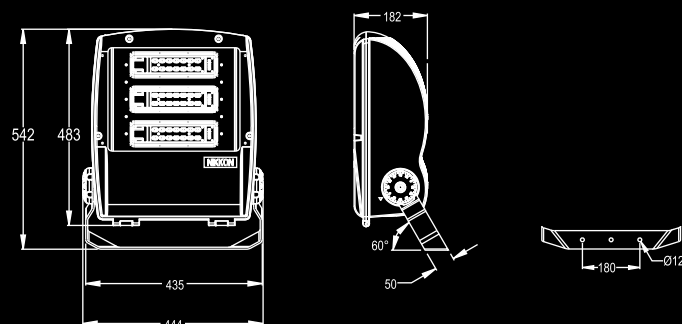
- historical buildings
- churches
- theatres
- passage ways
- corridors
- exhibition halls

technical data

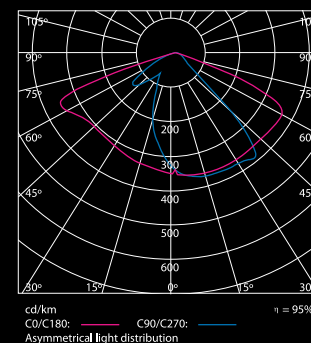
- **LED light source**
 - 2 LED modules x 14 LUMILEDS LUXEON Rebel ES
 - 3 LED modules x 14 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
 - 60W (2 LED modules)
 - 90W (3 LED modules)
- **typical luminous flux**
 - 5700lm (2 LED modules symmetrical)
 - 8550lm (3 LED modules asymmetrical)
- **heat thermal management**
48Vdc fan (120 x 120 x 38)mm for 90W FL
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finished curable polyester epoxy powder coating paint. (Akzo Nobel RAL 9006)

- **operating temperature**
-30°C~ +50°C
- **power supply**
90 ~ 295Vac 50 / 60Hz
- **max system power consumption**
 - 68W (2 LED modules)
 - 103W (3 LED modules)
- **classification**
class I power supply
- **ingress protection**
IP66 (lamp & gear compartment)
- **weight**
9kg
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031:2008

dimensions



photometric



Narrow beam distribution LEDXION K10114
LED Floodlight is available upon request.

Note: specifications are subject to change without prior notice. Narrow beam is available upon request.

FLOODLIGHT

LEDXION MINIATURE SERIES

K10111 20W, K10112 40W & K10113 60W



LED performance highlight

- **typical luminous flux & efficiency @ 700mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

- parking areas
- facade lightings
- sport lightings
- commercial areas
- residential areas
- shopping malls

features

technical data

- **LED light source**
 - LEDXION K10111: CBAC-88-5028 AC Multi-dice LED
 - LEDXION K10112: 18 LUMILEDS LUXEON Rebel ES
 - LEDXION K10113: 26 LUMILEDS LUXEON Rebel ES
- **max LED power consumption**
 - LEDXION K10111: 10W ~ 20W
 - LEDXION K10112: 40W
 - LEDXION K10113: 60W
- **color temperature**
 - 10W ~ 20W : 3000K & 6500K
 - 40W & 60W : 3000K, 4000K & 5300K
- **LED life cycle**
 - CBAC-88-5028 AC Multi-dice LED: 30,000hrs
 - Philips LUMILEDS LUXEON Rebel ES: 50,000hrs
- **housing material**
die-cast aluminium finished with durable polyester epoxy powder coating paint, Akzo Nobel RAL 9006
- **diffuser**
anti glare high transparency tempered glass
(frosted acrylic diffuser is available upon request)

- **operating temperature**
-30°C ~ +50°C

- **power supply**
90 ~ 295Vac 50 / 60Hz

- **max system power consumption**
 - LEDXION K10111: 22W
 - LEDXION K10112: 47W
 - LEDXION K10113: 68W

- **classification**
class I power supply

- **ingress protection**
IP65 (lamp & gear compartments)

- **weight**
 - 3kg (LEDXION K10111)
 - 4kg (LEDXION K10112)
 - 5kg (LEDXION K10113)

- **order code**
 - 10W miniature LED floodlight - LEDXION K10111 10W
 - 20W miniature LED floodlight - LEDXION K10111 20W
 - 40W miniature LED floodlight - LEDXION K10112 40W
 - 60W miniature LED floodlight - LEDXION K10113 60W



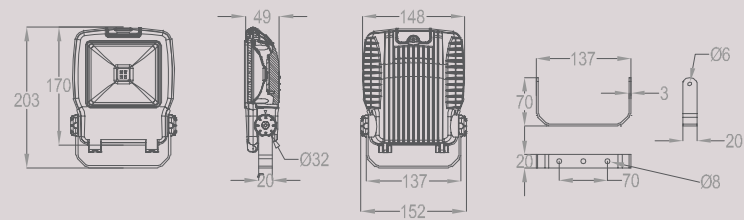
high transparency frosted
tempered glass diffuser



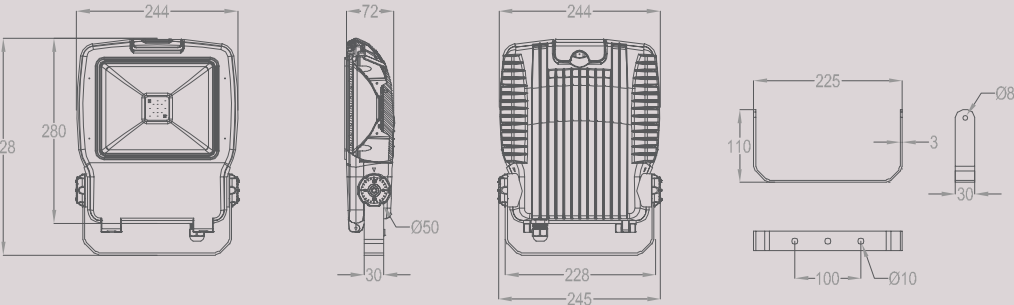
excellent thermal conductivity
die-cast housing

dimensions

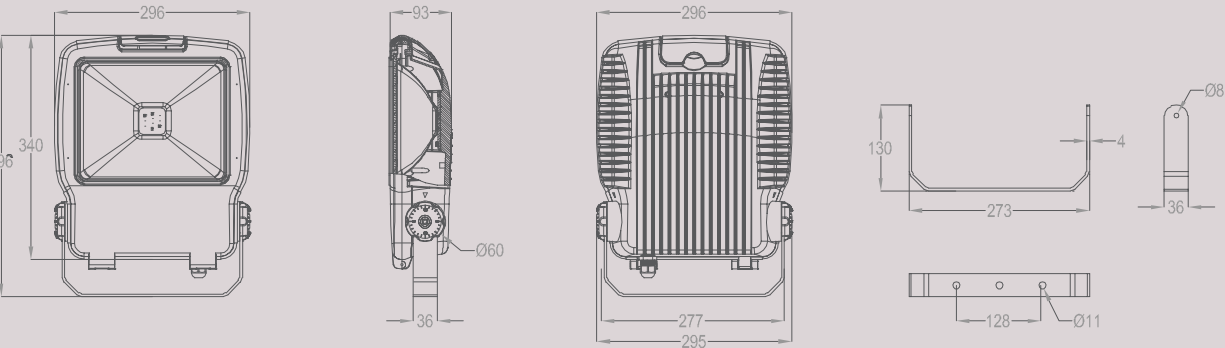
LEDXION K10111



LEDXION K10112



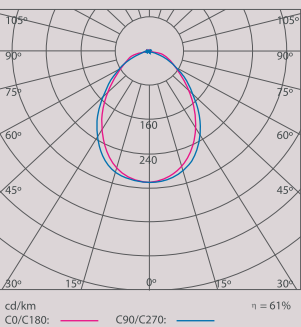
LEDXION K10113



photometric

- typical luminous flux:
10W - 720lm
20W - 1350lm

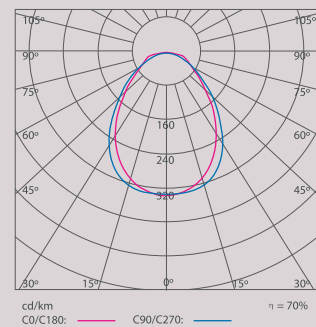
LEDXION K10111



Note: specifications are subject to change without prior notice.

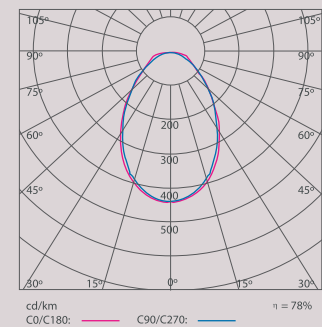
- typical luminous flux:
40W - 3400lm

LEDXION K10112



- typical luminous flux:
60W - 5300lm

LEDXION K10113



FLOODLIGHT

LEDXION K10107 27W



LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

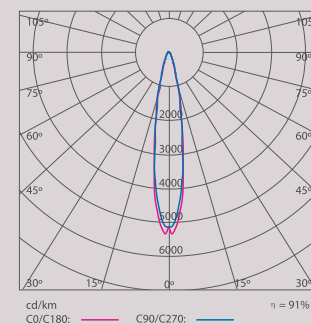
- **historical buildings**
- **churches**
- **theatres**
- **museums**
- **passageways**
- **corridors**
- **exhibition halls**

technical data

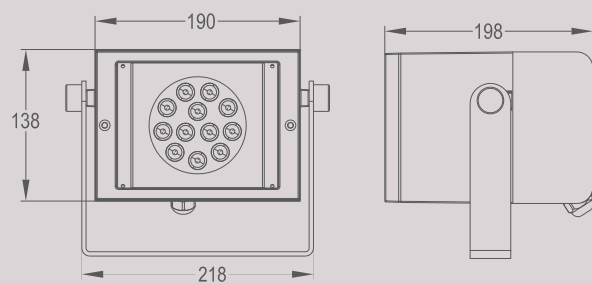
- **LED light source**
1 LED module x 12 LUMILEDS LUXEON Rebel ES
- **max LED power consumption**
27W
- **typical luminous flux**
2700lm
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finished with durable polyester epoxy powder coating paint (RAL 9006)
- **operating temperature**
-30°C ~ +50°C
- **power supply**
90 ~ 295Vac 50 / 60Hz

- **max system power consumption**
31W
- **classification**
class II power supply
- **ingress protection**
IP66 (lamp & gear compartments)
- **weight**
3kg
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031:2008

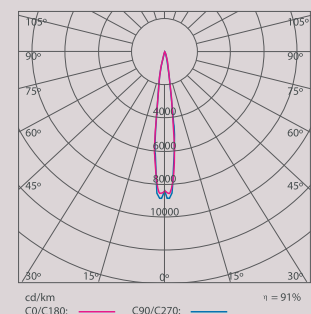
photometric



dimension



CLEAR DIFFUSER (15°)



Note: specifications are subject to change without prior notice.

FLOODLIGHT

LEDXION K10117 220W

20



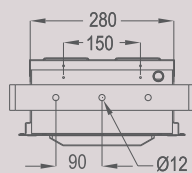
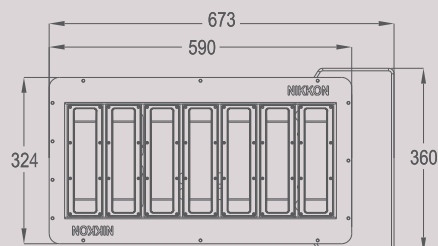
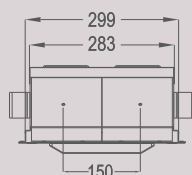
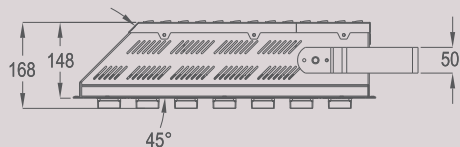
LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

- parking areas
- facade lighting
- sport lighting
- commercial areas
- residential areas
- jetties

dimension



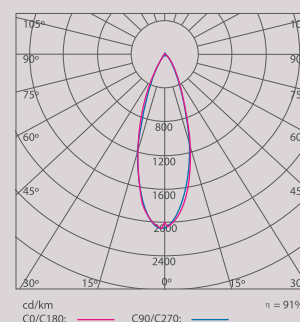
technical data

- **LED light source**
7 LED modules x 14 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
220W (7 LED modules)
- **typical luminous flux**
19800lm
- **color temperature**
5300K daylight
- **color rendering index**
80
- **LED life cycle**
50,000 hrs
- **housing material**
electro galvanised or stainless steel 304 housing with Akzo Nobel interpon dark grey epoxy powder finish
- **operating temperature**
-30°C ~ +50°C

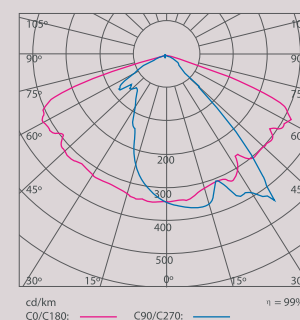
- **power supply**
90 ~ 295Vac 50 / 60Hz
- **max system power consumption**
245W (7 LED modules)
- **classification**
class I power supply
- **ingress protection**
IP66 (lamp & gear compartments)
- **weight**
15kg
- **compliance standard**
- IEC 60598-1-2:2006
- IEC 62031:2008

photometric

LEDXION K10117 (narrow)



LEDXION K10117 (wide)



Note: specifications are subject to change without prior notice.

FLOODLIGHT

LEDXION K10100 RGB Floodlight

LEDXION K02103 LED Controller / K02104 Booster



LED performance highlight

- **Cree MC-E typical luminous flux & efficiency @ 350mA**

red : 39.8lm
green : 51.7lm
blue : 18.1lm

- **viewing angle**
110°

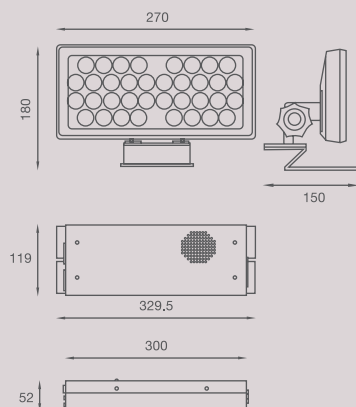
- **thermal resistance**
3°C/W

- **max junction temperature**
150°C

application

- **historical building**
- **churches**
- **theaters**
- **museums**
- **passageways**
- **corridors areas**
- **exhibitions halls**

dimension



technical data

- **LED light source**
36pcs Cree MC-E RGB LED

- **max LED module power consumption**
36W

- **typical luminous flux**
RGB

- **color temperature**
RGB

- **LED life cycle**
50,000 hrs

- **housing material**
die-cast aluminium finished with durable epoxy powder coating (white)

- **power supply**
24V (LED driver)

- **system power consumption**
40.00W

- **insulation classification**
class I

- **ingress protection**
IP65 (lamp & gear compartment)

- **LED controller features**
LED controller AC 110/240V input directly, robust 200W output pre-saved 5 sequences, support speed & brightness adjust compatible with DMX-512 (1990)

- **weight**
8kg

Note: specifications are subject to change without prior notice.



FLOODLIGHT

LEDXION W100201 30W

22



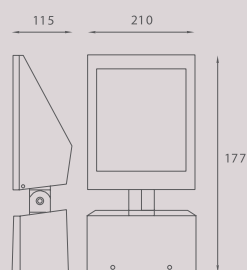
application

- facade lighting
- churches
- corridors
- passageways
- exhibition halls

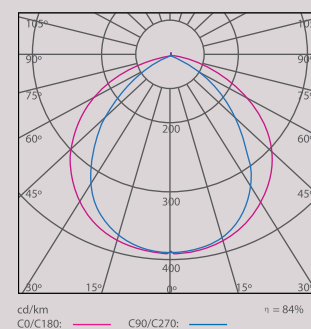
technical data

- **LED light source**
3 x 10W LB-48-10020 LED modules
- **luminous flux**
1650lm
- **color temperature**
- 6500K daylight & 3000K warmwhite
- **color rendering index**
80
- **LED life cycle**
30,000 hrs
- **housing material**
high pressure aluminium die-cast housing
with Akzo Nobel Interpon outdoor epoxy
powder coating
- **power supply**
90 ~ 264Vac 47 ~ 63Hz
- **total system power consumption**
33W
- **working temperature**
-30°C ~ +75°C
- **ingress protection**
IP67
- **weight**
6.3kg

dimension



photometric



Note: specifications are subject to change without prior notice.

FLOODLIGHT

LEDXION K10101 & K10102 40W



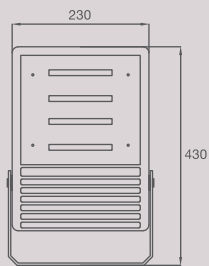
application

- facades
- buildings
- structures
- gardens

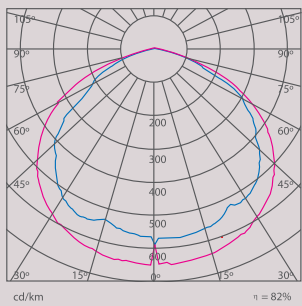
technical data

- **LED light source**
40W multi dice modular LED LB-48-10020-65
- **typical luminous flux**
2600lm
- **colour temperature**
6500K daylight & 3000K warmwhite
- **color rendering index**
80
- **LED life cycle**
30,000 hrs
- **housing material**
die-cast aluminium c/w epoxy powder coating
- **casing color**
 - K10101: white casing
 - K10102: black casing
- **power supply**
110 ~ 240Vac 50Hz
- **total system power consumption**
40.00W
- **power factor**
85%
- **working temperature**
-40°C ~ +40°C
- **ingress protection**
IP65
- **weight**
3.10kg

dimension



photometric



FLOODLIGHT

LEDXION K10103 20W



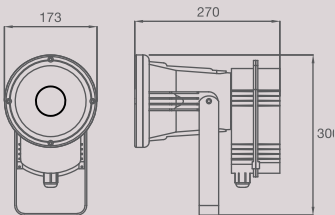
application

- facades
- buildings
- structures
- gardens

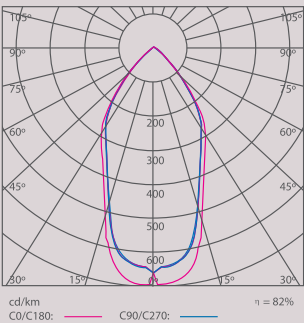
technical data

- **LED light source**
20w multi dice modular LED CB-112-60-65
- **typical luminous flux**
1200lm
- **color temperature**
6500K daylight
- **color rendering index**
80
- **LED life cycle**
30,000 hrs
- **housing material**
die-cast (white)
- **power supply**
110 ~ 240Vac 50Hz
- **total system power consumption**
22.00W
- **power factor**
85%
- **working temperature**
-40°C ~ +40°C
- **ingress protection**
IP65
- **weight**
2.50kg

dimension



photometric



FLUORESCENT LIGHTING





FLUORESCENT LIGHTING

LEDXION K04100 36W, K04102 18W

C/W K02103 LED controller & K02104 booster



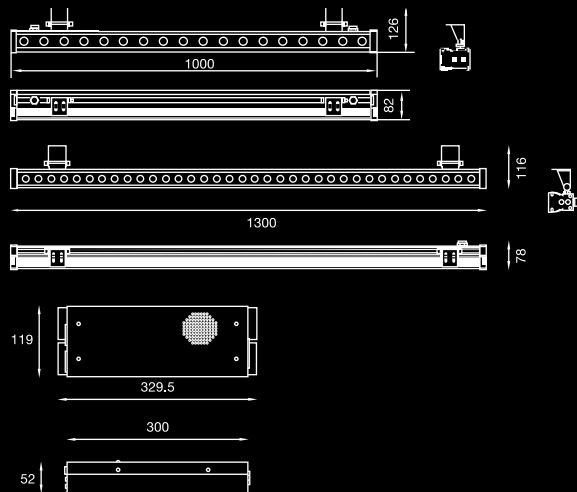
LED performance highlight

- **Cree XR-C typical luminous flux & efficiency @ 350mA**
red : 39.8lm
green : 51.7lm
blue : 18.1lm
- **viewing angle**
110°
- **thermal resistance**
3°C/W
- **max junction temperature**
150°C

application

- sales areas and office areas
- galleries & shops
- multipurpose halls
- hotel lobbies
- living & shopping areas
- museums

dimension

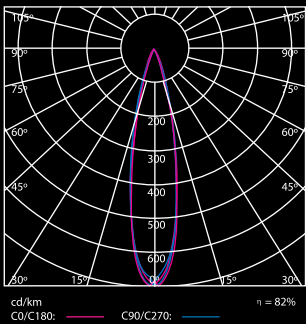


technical data

- **LED light source**
18pcs & 36pcs Cree MC-E LED
- **max LED module power consumption**
18W & 36W
- **typical luminous flux**
600lm
- **color temperature**
RGB
- **LED life cycle**
50,000 hrs
- **housing material**
high purity aluminium
- **power supply**
24V (LED controller)
- **total system power consumption**
27W & 56W
- **insulation classification**
class I

- **ingress protection**
IP65
- **LED controller features**
LED controller AC 110/240V input directly, robust 200W output pre-saved 5 sequences, support speed & brightness adjust compatible with DMX-512 (1990)
- **weight**
 - 3.50kg (LEDXION K04100)
 - 3.20kg (LEDXION K04102)

photometric

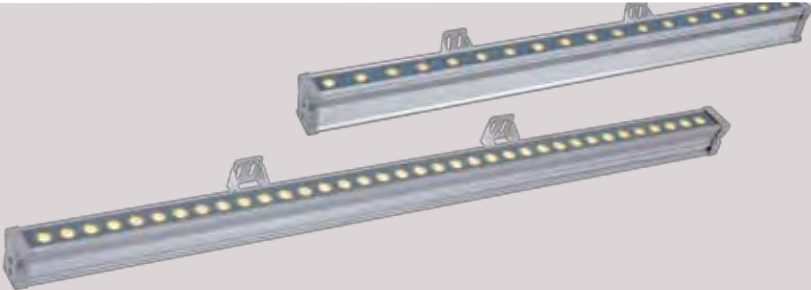


Note: specifications are subject to change without prior notice.



FLUORESCENT LIGHTING

LEDXION K04101 36W & K04103 18W



LED performance highlight

- **Cree XR-C Typical luminous flux & efficiency @ 350mA**
80lm
- **viewing angle**
90°
- **thermal resistance**
12°C/W
- **max junction temperature**
150°C

application

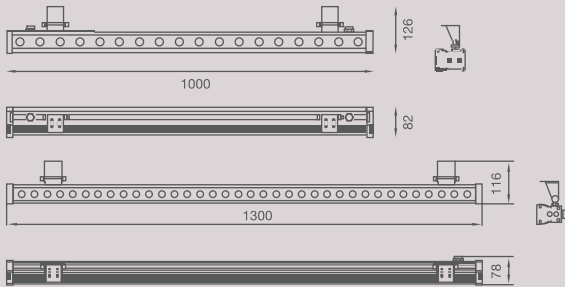
- sales areas and office areas
- galleries & shops
- multipurpose halls
- hotel lobbies
- living & shopping areas
- museums

technical data

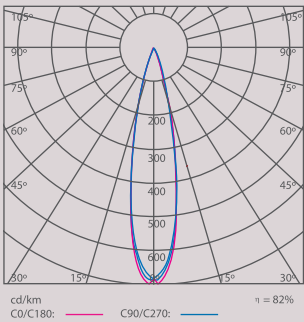
- **LED light source**
18pcs & 36pcs Cree XR-C LED
- **max LED module power consumption**
18W & 36W
- **typical luminous flux**
1080lm & 2160lm
- **color temperature**
6500K daylight & 4000K white
- **LED life cycle**
50,000 hrs
- **housing material**
high purity aluminium
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
27W & 56W
- **insulation classification**
class I

- **ingress protection**
IP65
- **weight**
 - 4.10kg (LEDXION K04101)
 - 2.10kg (LEDXION K04103)

dimension



photometric



Note: specifications are subject to change without prior notice.

FLUORESCENT LIGHTING

LEDXION K04104 45W SY & ASY



LED performance highlight

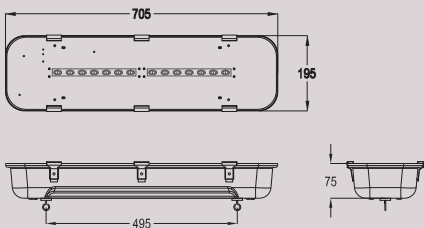
- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
125°
- **thermal resistance**
4°C/W
- **max junction temperature**
150°C

application

- **distillation plants**
- **boiler rooms**
- **cold storage rooms**
- **residential areas**
- **garages**

dimension

LEDXION K04104 45W 5300K



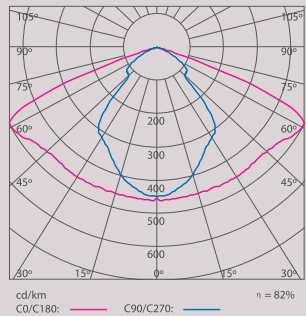
technical data

- **LED light source**
2 LED modules x 7 Cree XPG
- **max LED power consumption**
45W
- **typical luminous flux**
45W - 4500lm
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
304 stainless steel
- **diffuser**
thermal resistant tempered glass with sand blasted finish
- **fastening latch**
stainless steel clip
- **power supply**
90 ~ 295Vac 50 / 60Hz
- **max system power consumption**
50.2W

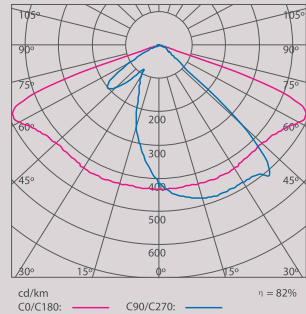
- **classification**
class I
- **operating temperature**
-30°C ~ +50°C
- **ingress protection**
IP66 (lamp & gear compartments)
- **weight**
5kg
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031:2008

photometric

LEDXION K04104 45W
(symmetrical)

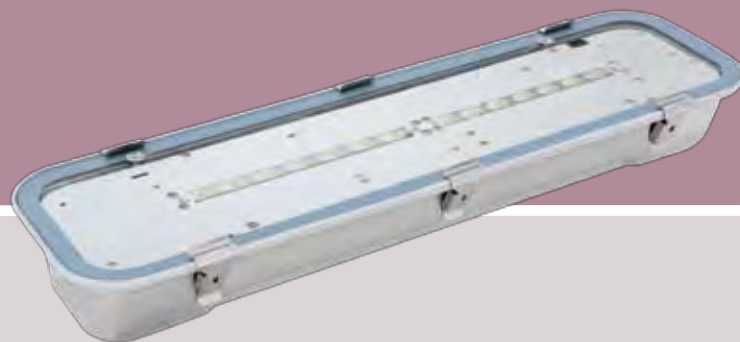


LEDXION K04104 45W
(asymmetrical)



FLUORESCENT LIGHTING

LEDXION K04105 30W SY



30

LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

- **distillation plants**
- **boiler rooms**
- **cold storage rooms**
- **residential areas**
- **garages**

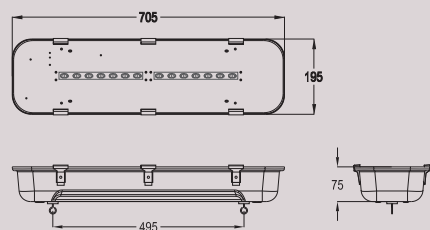
technical data

- **LED light source**
2 LED modules x 7 LUMILEDS LUXEON Rebel ES
- **med LED module power consumption**
30W
- **typical luminous flux**
30W - 3000lm
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
304 stainless steel
- **diffuser**
thermal resistant tempered glass with sand blasted finish
- **fastenting latch**
stainless steel clip

- **power supply**
90 ~ 295Vac 50 / 60Hz
- **max system power consumption**
37W
- **classification**
class I
- **operating temperature**
-30°C ~ +50°C
- **ingress protection**
IP66 (lamp & gear compartments)
- **weight**
5kg
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031:2008

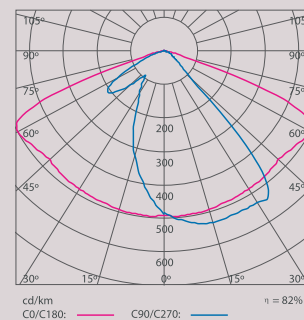
dimension

LEDXION K04105 30W 5300K



photometric

LEDXION K04105 30W





ARCHITECTURE LIGHTING



ARCHITECTURE LIGHTING

LEDXION K11100 20W



LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

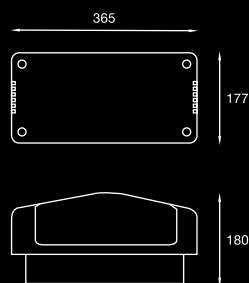
application

- **historical buildings**
- **churches**
- **theatres**
- **museums**
- **passageways**
- **corridors areas**
- **exhibition halls**

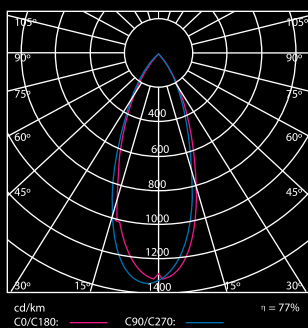
technical data

- **LED light source**
2 modules x 6 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
20W (2 LED modules)
- **typical luminous flux**
1680lm
- **color temperature**
6000K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finished with durable epoxy coating
- **power supply**
110 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
24W (2 LED modules)
- **insulation classification**
class I
- **ingress protection**
IP65
- **weight**
4.5kg

dimension



photometric



Note: specifications are subject to change without prior notice.

ARCHITECTURE LIGHTING

LEDXION K11101 18W

34



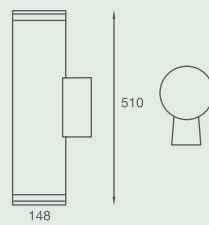
application

- architectural structures
- condominiums
- theatres
- museums
- corridors areas
- exhibition halls

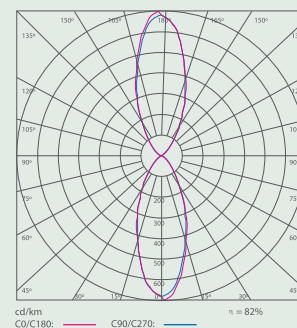
technical data

- **LED light source**
2pcs 9 x 1W LED module
- **max LED module power consumption**
18W (2 LED modules)
- **typical luminous flux**
1080lm
- **color temperature**
6000 daylight
- **LED life cycle**
30,000 hrs
- **housing material**
die-cast aluminium finished with durable epoxy coating
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
20W (2 LED modules)
- **insulation classification**
class I
- **ingress protection**
IP65
- **weight**
4.8kg

dimension



photometric



Note: specifications are subject to change without prior notice.

WALLWASHER

LEDXION K10116 20W



application

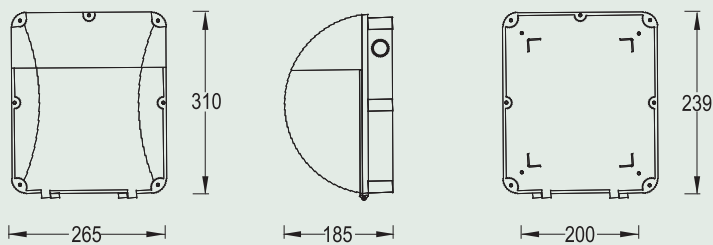
- facade lighting
- churches
- corridors
- passage ways
- exhibition halls

technical data

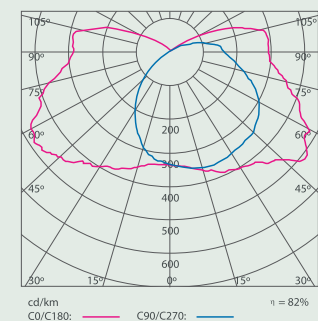
- **LED light source**
2 x 10W LB-48-10020 LED modules
- **max LED module power consumption**
20W
- **typical luminous flux**
1350lm
- **color temperature**
6500K daylight & 3000K warmwhite
- **color rendering index**
80
- **LED life cycle**
30,000 hrs
- **housing material**
high pressure aluminium die-cast housing
with Akzo Nobel Interpon outdoor epoxy
powder coating
- **diffuser**
thermal resistant tempered glass

- **protective cover**
clear injection moulded polycarbonate with
internal prism pattern
- **mounting bracket**
steel mounting bracket coated with epoxy
powder
- **power supply**
100 ~ 240Vac 50/ 60Hz
- **max system power consumption**
22.5W
- **insulation classification**
class I
- **operating temperature**
-30°C ~ +50°C
- **ingress protection**
IP65
- **weight**
5kg

dimension



photometric



RECESSED WALLWASHER LEDXION W100503 20W



application

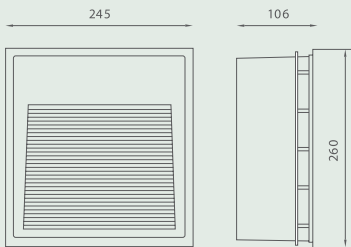
- facade lighting
- churches
- corridors
- passage ways
- exhibition halls

technical data

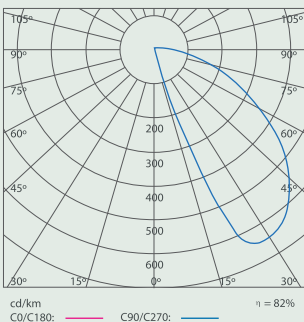
- **LED light source**
2 x 10W LB-48-10020-65 LED modules
- **max LED module power consumption**
20W
- **typical luminous flux**
1350lm
- **color temperature**
6500K daylight & 3000K warmwhite
- **color rendering index**
80
- **LED life cycle**
30,000 hrs
- **housing material**
high pressure aluminium die-cast housing
with Akzo Nobel Interpon outdoor epoxy
powder coating

- **power supply**
100 ~ 240Vac 50/ 60Hz
- **max system power consumption**
22.5W
- **insulation classification**
class I
- **operating temperature**
-30°C ~ +50°C
- **ingress protection**
IP54
- **weight**
3.2kg

dimension



photometric



ARCHITECTURE LIGHTING

LEDXION K06100 7W



LED performance highlight

- **Cree XR-C typical luminous flux & efficiency @ 350mA**
80lm
- **viewing angle**
90°
- **thermal resistance**
12°C/W
- **max junction temperature**
150°C

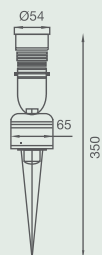
technical data

- **LED light source**
7pcs Cree XR-C LED (Daylight)
- **max LED module power consumption**
7W
- **typical luminous flux**
420lm
- **color temperature**
6500K daylight & 3000K warmwhite
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finished with durable epoxy powder coating (grey)
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
8.40W
- **insulation classification**
class I
- **ingress protection**
IP44
- **weight**
0.75kg

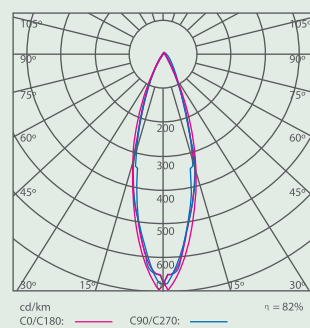
application

- gardens
- residential areas
- resorts
- hotel premises
- parks
- bushes

dimension



photometric



Note: specifications are subject to change without prior notice.



ARCHITECTURE LIGHTING

LEDXION K06101 3W

38



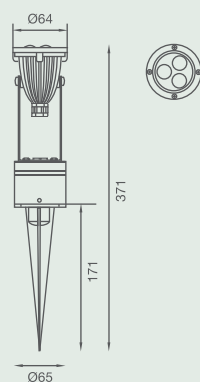
LED performance highlight

- **Cree XR-C typical luminous flux & efficiency @ 350mA**
80lm
- **viewing angle**
90°
- **thermal resistance**
12°C/W
- **max junction temperature**
150°C

application

- **gardens**
- **residential areas**
- **resorts**
- **hotel premises**
- **parks**
- **bushes**

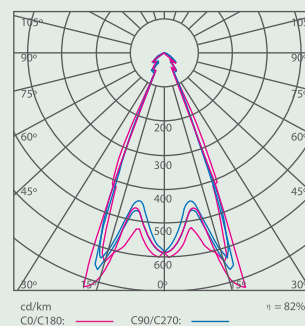
dimension



technical data

- **LED light source**
3pcs Cree XR-C LED
- **max LED module power consumption**
3W
- **typical luminous flux**
180lm
- **color temperature**
6500K daylight & 3000K warmwhite
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finished with durable epoxy powder coating (grey)
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
4.40W
- **insulation classification**
class I
- **ingress protection**
IP44
- **weight**
0.70kg

photometric



Note: specifications are subject to change without prior notice.



ARCHITECTURE LIGHTING

LEDXION K05100 15W



LED performance highlight

- **Cree XR-E typical luminous flux & efficiency @ 350mA**
80lm
- **viewing angle**
90°
- **thermal resistance**
8°C/W
- **max junction temperature**
145°C

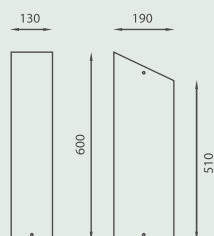
application

- **gardens**
- **residential areas**
- **pathways**
- **kitchens and living areas**
- **hotel premises**
- **parks**
- **cycle tracks**

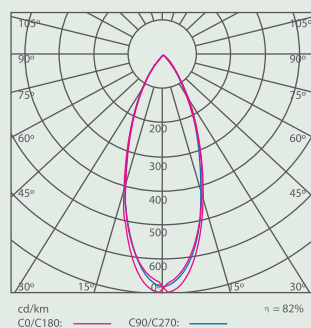
technical data

- **LED light source**
15pcs Cree XR-E LED
- **max LED module power consumption**
15W
- **typical luminous flux**
900lm
- **color temperature**
6500K daylight & 4000K white
- **LED life cycle**
50,000 hrs
- **housing material**
high purity aluminium
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
17.2W
- **insulation classification**
class I
- **ingress protection**
IP65
- **weight**
5.40kg

dimension



photometric



Note: specifications are subject to change without prior notice.



ARCHITECTURE LIGHTING

LEDXION K05101 15W

40



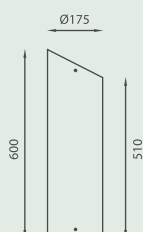
LED performance highlight

- **Cree XR-E typical luminous flux & efficiency @ 350mA**
80lm
- **viewing angle**
90°
- **thermal resistance**
8°C/W
- **max junction temperature**
145°C

application

- **gardens**
- **residential areas**
- **pathways**
- **kitchens and living areas**
- **hotel premises**
- **parks**
- **cycle tracks**

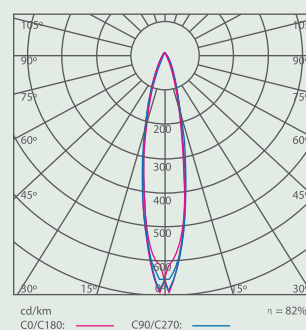
dimension



technical data

- **LED light source**
15pcs Cree XR-E LED
- **max LED module power consumption**
15W
- **typical luminous flux**
900lm
- **color temperature**
6500K daylight & 4000K white
- **LED life cycle**
50,000 hrs
- **housing material**
high purity aluminium
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
17.2W
- **insulation classification**
class I
- **ingress protection**
IP65
- **weight**
5.20kg

photometric



Note: specifications are subject to change without prior notice.

ARCHITECTURE LIGHTING

LEDXION B140804 20W



application

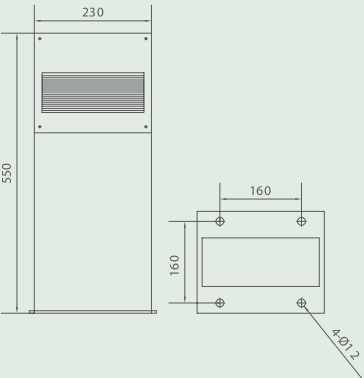
- gardens
- residential areas
- walkways
- parks
- hotel premises

technical data

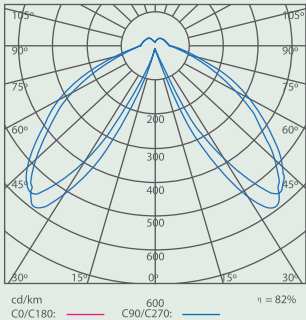
- **LED light source**
2 x 10W LB-48-10020-65 LED modules
- **max LED module power consumption**
20W
- **typical luminous flux**
1350lm
- **color temperature**
6500K daylight & 3000K warmwhite
- **LED life cycle**
30,000 hrs
- **housing material**
high quality cold roll steel optical housing
with weather resistant epoxy powder
coating and stainless steel screws

- **power supply**
100 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
22.5W
- **insulation classification**
class I
- **ingress protection**
IP55
- **weight**
7.20kg

dimension



photometric



Note: specifications are subject to change without prior notice.

ARCHITECTURE LIGHTING

LEDXION B140802 20W

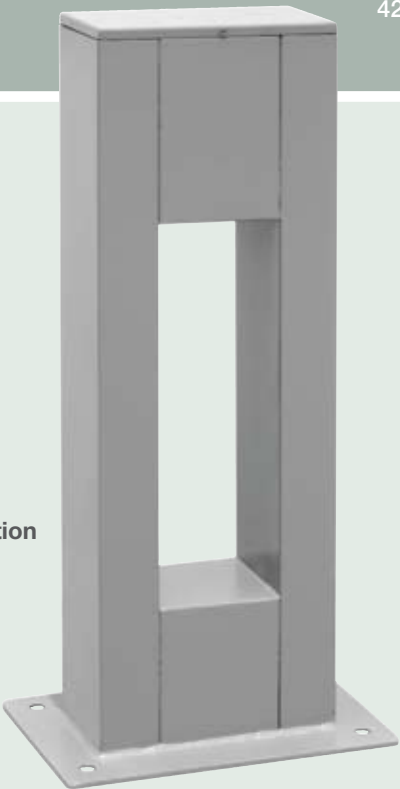
application

- gardens
- residential areas
- walkways
- parks
- hotel premises

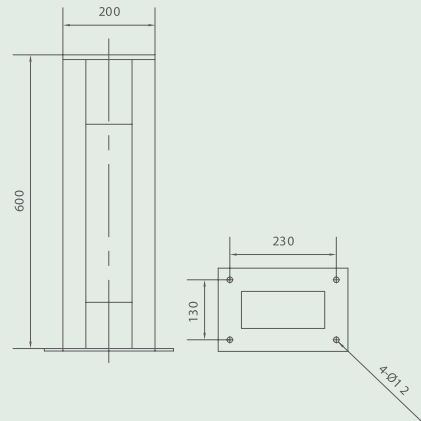
technical data

- **LED light source**
CB-112-60-65 LED modules
- **max LED module power consumption**
20W
- **typical luminous flux**
1350lm
- **color temperature**
6500K daylight & 4000K warmwhite
- **LED life cycle**
30,000 hrs
- **housing material**
high quality cold roll steel optical housing
with weather resistant epoxy powder
coating and stainless steel screws

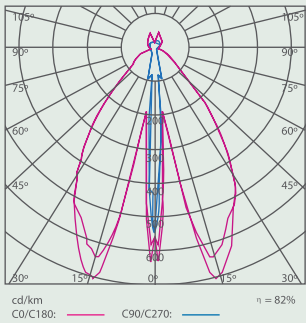
- **power supply**
100 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
22W
- **insulation classification**
class I
- **ingress protection**
IP55
- **weight**
6.80kg



dimension



photometric



Note: specifications are subject to change without prior notice.

ARCHITECTURE LIGHTING

LEDXION B140805 40W



application

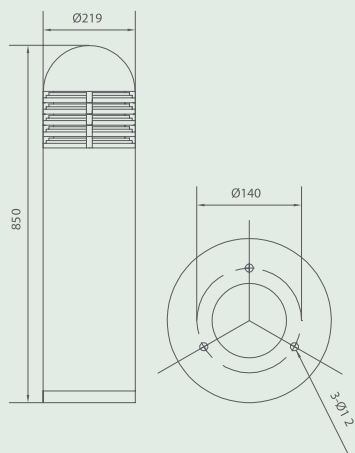
- gardens
- residential areas
- walkways
- parks
- hotel premises

technical data

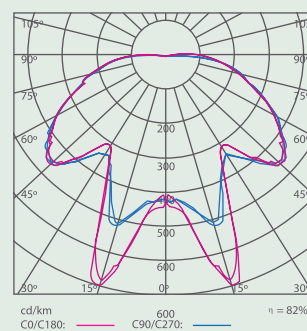
- **LED light source**
4 x 10W LB-48-10020 LED modules
- **max LED module power consumption**
40W
- **typical luminous flux**
2150lm
- **color temperature**
6500K daylight & 3000K warmwhite
- **LED life cycle**
30,000 hrs
- **housing material**
high pressure aluminium die-cast housing
with Akzo Nobel Interpon outdoor epoxy
powder coating

- **power supply**
90 ~ 277Vac 47 / 63 Hz
- **total system power consumption**
45W
- **insulation classification**
class I
- **ingress protection**
IP55
- **weight**
13.8kg

dimension



photometric



Note: specifications are subject to change without prior notice.

ARCHITECTURE LIGHTING

LEDXION G120603 20W



application

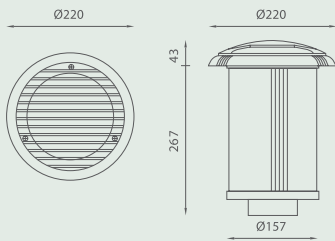
- gardens
- residential areas
- walkways
- parks
- hotel premises

technical data

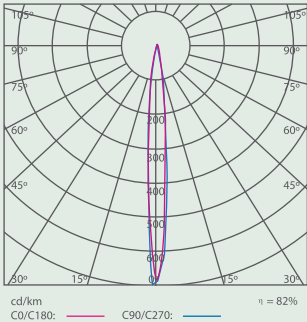
- **LED light source**
CB-112-60-65 LED modules
- **max LED module power consumption**
20W
- **typical luminous flux**
1350lm
- **color temperature**
6500K daylight & 3000K warmwhite
- **LED life cycle**
30,000 hrs
- **housing material**
high pressure aluminium die-cast housing
with Akzo Nobel Interpon outdoor epoxy
powder coating

- **power supply**
100 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
22W
- **insulation classification**
class I
- **ingress protection**
IP67
- **weight**
5.0kg

dimension



photometric



Note: specifications are subject to change without prior notice.

ARCHITECTURE LIGHTING

LEDXION K07100 3W



LED performance highlight

- **Cree XR-C typical luminous flux & efficiency @ 350mA**
80lm
- **viewing angle**
90°
- **thermal resistance**
12°C/W
- **max junction temperature**
150°C

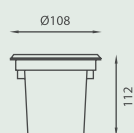
application

- **building facades**
- **parks**
- **bushes**
- **garden**
- **passageways**
- **walkways**

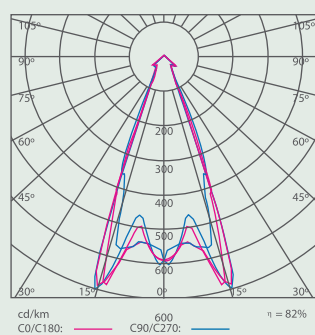
technical data

- **LED light source**
3pcs Cree XR-C LED
- **max LED module power consumption**
3W
- **typical luminous flux**
180lm
- **color temperature**
6500K daylight & 4000K white
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finished with durable epoxy powder coating (grey)
stainless steel 304 material
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
4.00W
- **insulation classification**
class I
- **ingress protection**
IP67
- **opening hole**
ø98mm
- **weight**
0.62kg

dimension



photometric



Note: specifications are subject to change without prior notice.



ARCHITECTURE LIGHTING

LEDXION K07101 1.2W

46



LED performance highlight

- **15pcs 5mm LEDs typical luminous flux**
60lm
- **beam angle**
15°

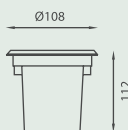
application

- **building facades**
- **parks**
- **bushes**
- **garden**
- **passageways**
- **walkways**

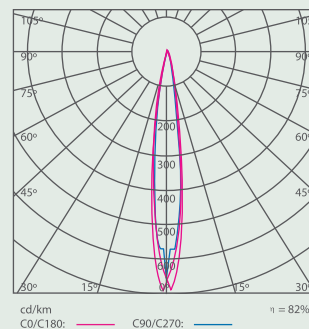
technical data

- **LED light source**
15pcs 5mm LED
- **max LED module power consumption**
1.2W
- **typical luminous flux**
60lm
- **color temperature**
blue
- **LED life cycle**
20,000 hrs
- **housing material**
die-cast aluminium finished with durable epoxy powder coating (grey)
stainless steel 304 material
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
2.0W
- **insulation classification**
class I
- **ingress protection**
IP67
- **opening hole**
Ø98mm
- **weight**
0.48kg

dimension



photometric



Note: specifications are subject to change without prior notice.

ARCHITECTURE LIGHTING

LEDXION K07102 3W



LED performance highlight

- **Cree XR-C typical luminous flux & efficiency @ 350mA**
80lm
- **viewing angle**
90°
- **thermal resistance**
12°C/W
- **max junction temperature**
150°C

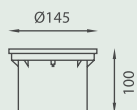
application

- **building facades**
- **parks**
- **bushes**
- **garden**
- **passageways**

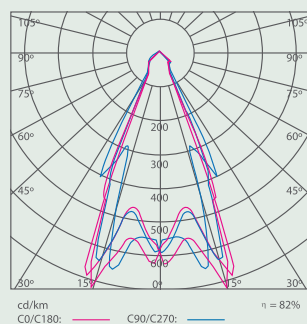
technical data

- **LED light source**
3pcs Cree XR-C LED (tiltable)
- **max LED module power consumption**
3W
- **typical luminous flux**
180lm
- **color temperature**
6500K daylight & 4000K white
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finished with durable epoxy powder coating (grey)
stainless steel 304 material
- **power supply**
220 ~ 240Vac 50 / 60 Hz
- **total system power consumption**
4.00W
- **insulation classification**
class I
- **ingress protection**
IP67
- **opening hole**
ø152mm
- **weight**
1.15kg

dimension



photometric



Note: specifications are subject to change without prior notice.



ARCHITECTURE LIGHTING

LEDXION K12102 90W & K12103 60W

48



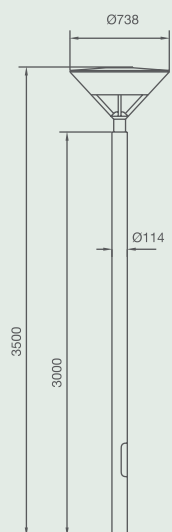
LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

- **residential & commercial areas**
- **parks**
- **city centers**
- **car parks**
- **garden**
- **pedestrian precincts**

dimension

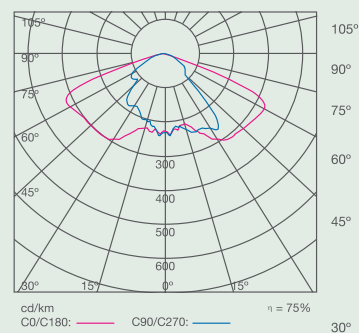


note: pole is sold separately.

technical data

- **LED light source**
 - 3 modules x 14 LUMILEDS LUXEON Rebel ES
 - 2 modules x 14 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
 - 90W (3 LED modules)
 - 60W (2 LED modules)
- **typical luminous flux**
 - 6750lm (3 modules)
 - 4550lm (2 modules)
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finished with durable polyester epoxy powder coating paint (Akzo Nobel - RAL 9006)
- **operating temperature**
-30°C ~ +50°C
- **power supply**
90 ~ 240Vac 50 / 60 Hz
- **max system power consumption**
 - 103W (3 LED modules)
 - 67W (2 LED modules)
- **classification**
class II power supply
- **ingress protection**
IP54 (lamp compartment)
- **mounting spigot**
Ø76mm
- **weight**
13.5kg (without pole)

photometric



Note: specifications are subject to change without prior notice.



LANDSCAPE LUMINAIRE

LEDXION K12104 60W & 90W

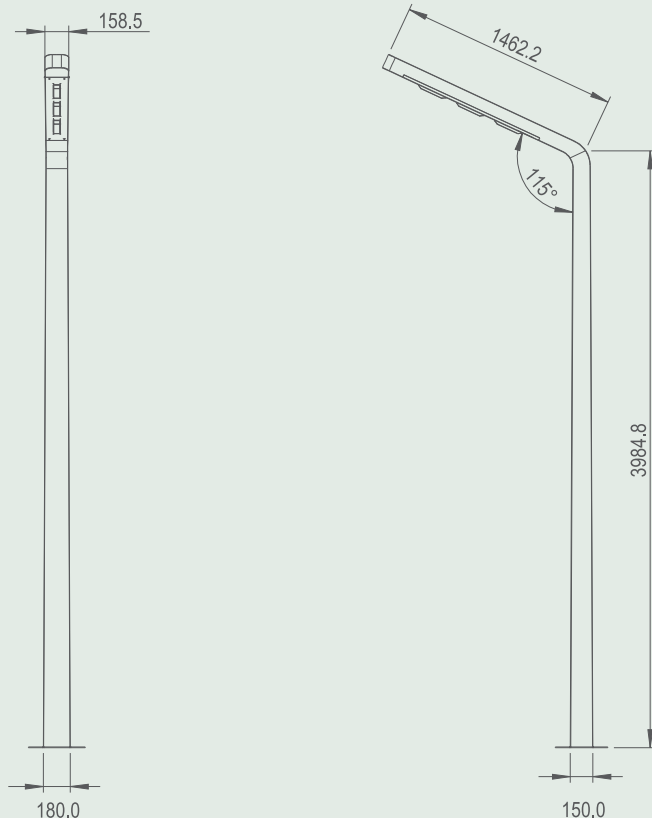
LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

- pedestrian precincts
- shopping areas
- city centers
- parks & gardens
- carparks

dimension



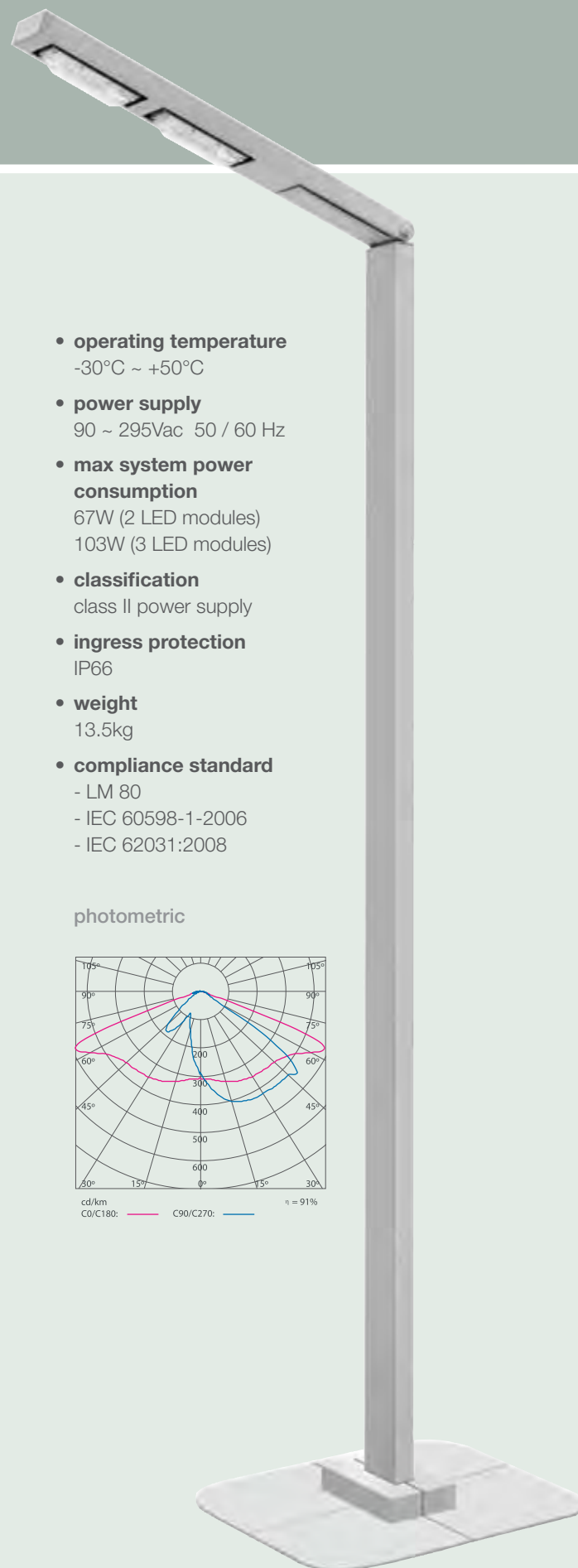
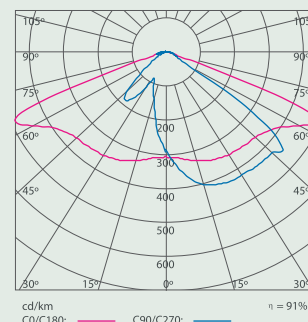
Note: specifications are subject to change without prior notice.

technical data

- **LED light source**
 - 2 LED modules x 14 LUMILEDS LUXEON Rebel ES
 - 3 LED modules x 14 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
 - 60W (2 LED modules)
 - 90W (3 LED modules)
- **typical luminous flux**
 - 5900lm - 60W (2 LED modules)
 - 8850lm - 90W (3 LED modules)
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finished with durable epoxy powder coating (Akzo Nobel RAL 9006)

- **operating temperature**
-30°C ~ +50°C
- **power supply**
90 ~ 295Vac 50 / 60 Hz
- **max system power consumption**
 - 67W (2 LED modules)
 - 103W (3 LED modules)
- **classification**
class II power supply
- **ingress protection**
IP66
- **weight**
13.5kg
- **compliance standard**
 - LM 80
 - IEC 60598-1:2006
 - IEC 62031:2008

photometric

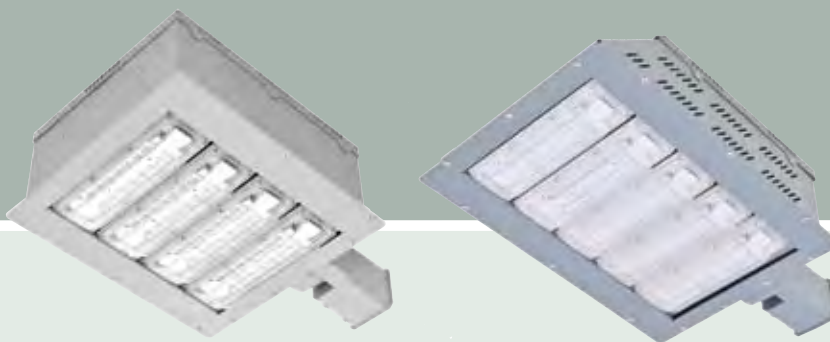


AREA LIGHTING

LEDXION K17100 120W

LEDXION K17101 150W

50



LED performance highlight

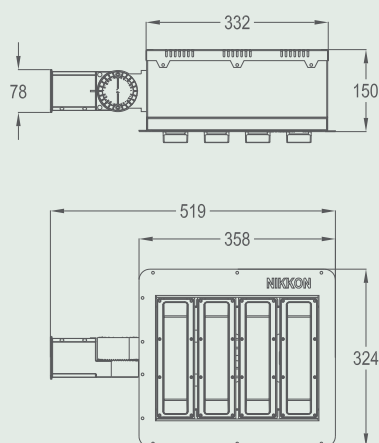
- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

- **parking areas**
- **facade lighting**
- **sport lighting**
- **commercial areas**
- **residential areas**

dimension

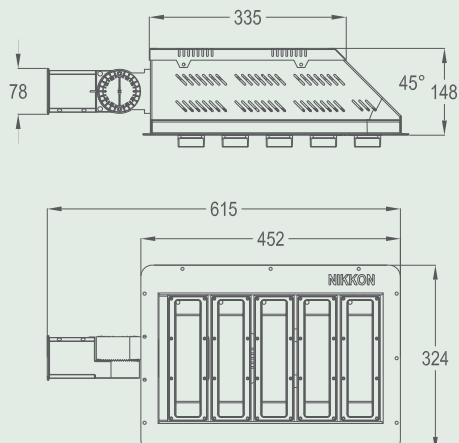
LEDXION K17100



technical data

- **LED light source**
 - 4 LED modules x 14 LUMILEDS LUXEON Rebel ES
 - 5 LED modules x 14 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
 - 120W (4 LED modules)
 - 150W (5 LED modules)
- **typical luminous flux**
 - 10900lm (4 modules)
 - 13200lm (5 modules)
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
electro galvanised steel housing with RAL 9006/dark grey epoxy powder finish
- **operating temperature**
-30°C ~ +50°C
- **power supply**
90 ~ 295Vac 50 / 60 Hz

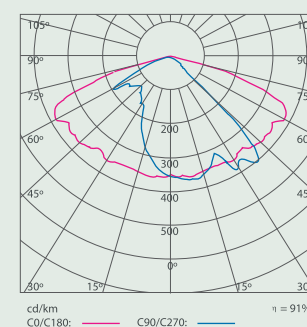
LEDXION K17101



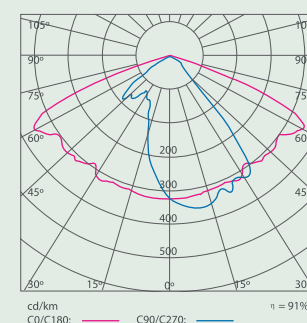
- **max system power consumption**
 - 135W (4 LED modules)
 - 173W (5 LED modules)
- **classification**
class II power supply
- **ingress protection**
IP66 (lamp & gear compartment)
- **spigot**
Ø65mm tiltable spigot
- **pole installation details (mm)**
pole diameter Ø48 ~ Ø60
- **weight**
 - 9kg
 - 12kg
- **compliance standard**
 - LM80
 - IEC 60598-1-2-2006
 - IEC 62031:2008

photometric

LEDXION K17100



LEDXION K17101





STREET LIGHTING



STREET LIGHTING

LEDXION K09109 60W S419-250

LEDXION K09102 90W S419-400

LEDXION K09108 120W S419-400



LED performance highlight

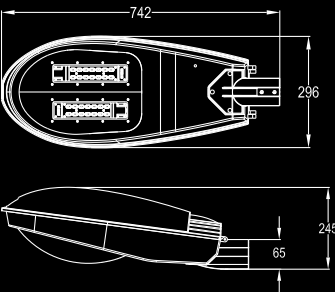
- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

- residential areas
- parks
- urban roads
- car parks
- pathways
- pedestrian precincts

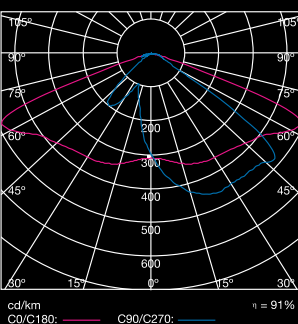
dimension

LEDXION K09109 60W S419-250

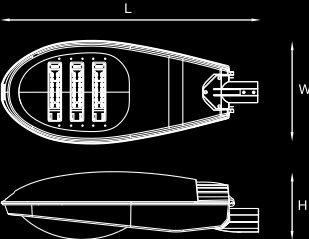


photometric

LEDXION K09109

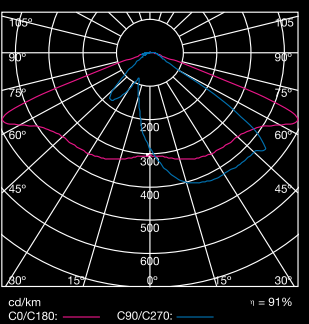


LEDXION K09102 90W S419-400

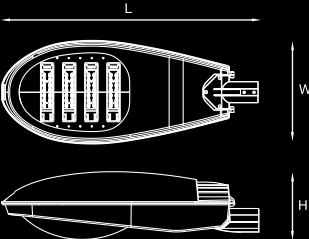


S419-400 90W
L = 880mm
W = 354mm
H = 260mm

LEDXION K09102

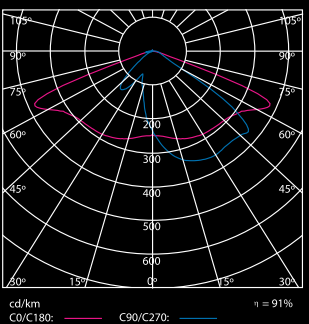


LEDXION K09108 120W S419-400



S419-400 120W
L = 880mm
W = 354mm
H = 260mm

LEDXION K09108



LEDXION K09108
48Vdc fan (120 x 120 x 38)mm



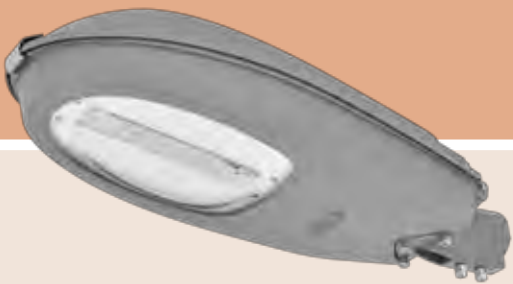
technical data

- **LED light source**
 - 2 LED modules x 14 LUMILEDS LUXEON Rebel ES
 - 3 LED modules x 14 LUMILEDS LUXEON Rebel ES
 - 4 LED modules x 14 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
60W, 90W, 120W
- **heat thermal management**
48Vdc fan (120 x 120 x 28)mm for K09108
- **typical luminous flux**
 - 5600lm (2 modules)
 - 8200lm (3 modules)
 - 11400lm (4 modules)
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **operating temperature**
-30°C ~ +50°C
- **power supply**
90 ~ 295Vac 50 / 60 Hz
- **housing material**
high pressure aluminium
die-cast housing with Akzo
Nobel Interpon outdoor
epoxy powder coating
- **max system power consumption**
 - 64W (2 LED modules)
 - 103W (3 LED modules)
 - 143W (4 LED modules)
- **insulation classification**
class I
- **ingress protection**
IP66 (lamp & gear
compartments)
- **mounting spigot**
Ø50mm ~ 60mm
- **weight**
 - 8.6kg (2 LED modules)
 - 9.5kg (3 LED modules)
 - 11kg (4 LED modules)
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031:2008

STREET LIGHTING

LEDXION S419 - 150 30W & 45W AC/DC

54



LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°C

application

- **solar LED lightings**
- **shopping areas**
- **foot paths & access ways**
- **road lightings**
- **residential areas**
- **car parks**

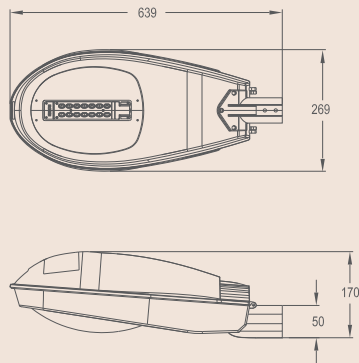
technical data

- **LED light source**
 - 30W - 1 LED module x 14 LUMILEDS LUXEON Rebel ES
 - 45W - 1 LED module x 14 Cree XP-G
- **max system power consumption**
 - 30W
 - 45W
- **typical luminous flux**
 - 30W - 2750lm
 - 45W - 4500lm
- **color temperature**
5300K daylight
- **LED life cycle**
50,000 hrs
- **housing material**
high pressure aluminium die-cast housing with Akzo Nobel Interpon outdoor epoxy powder coating
- **operating temperature**
-30°C ~ +50°C

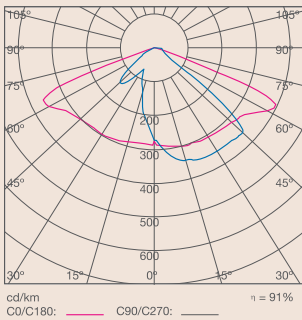
- **power supply**
 - DC 30W :I/P 24Vdc; O/P 48Vdc 700mA
 - DC 45W :I/P 24Vdc; O/P 48Vdc 1000mA
 - AC: 90 ~ 295Vac 50/60Hz
- **max system power consumption**
 - 36W
 - 50W
- **classification**
class II power supply
- **ingress protection**
IP66 (lamp & gear compartments)
- **mounting spigot**
ø42 - 48mm
- **weight**
6-7kg
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031:2008
- **order code**
 - S419-150 30W DC - LEDXION K09101
 - S419-150 30W AC - LEDXION K09107
 - S419-150 45W DC - LEDXION K09119
 - S419-150 45W AC - LEDXION K09118

dimension

LEDXION S419 -150



photometric

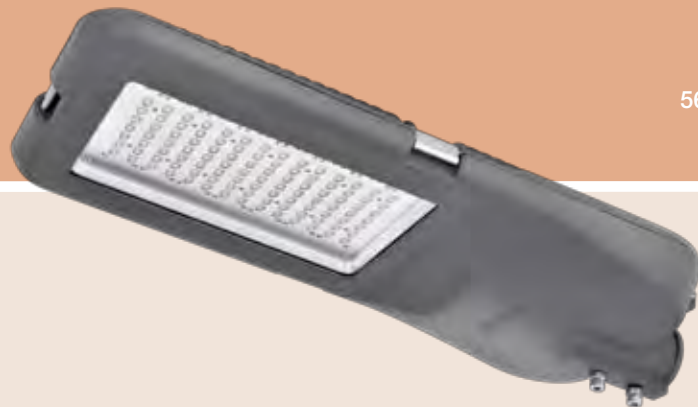




STREET LIGHTING

LEDXION S436 150W, 180W & 210W

56



LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
130lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°

application

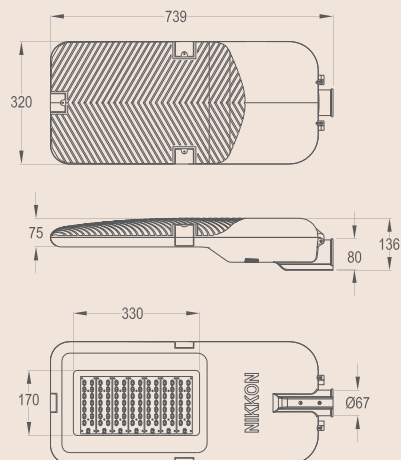
- parking areas
- facade lightings
- sport lightings
- commercial areas
- residential areas
- jetties

technical data

- **LED light source**
 - 5 LED modules x 14 LUMILEDS LUXEON Rebel ES
 - 6 LED modules x 14 LUMILEDS LUXEON Rebel ES
 - 7 LED modules x 14 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
 - 150W (5 LED modules)
 - 180W (6 LED modules)
 - 210W (7 LED modules)
- **typical luminous flux**
 - 14000lm - 5 LED modules
 - 16800lm - 6 LED modules
 - 19600lm - 7 LED modules
- **color temperature**
 - 5300K daylight
 - 3500K warmwhite
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finish with durable polyester epoxy powder coating
- **operating temperature**
-30°C ~ +50°C
- **power supply**
AC: 90 ~ 295Vac 50 / 60Hz

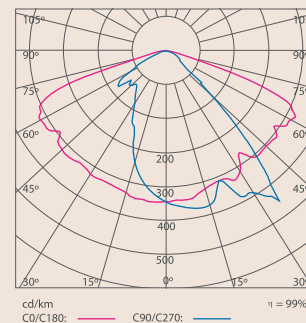
- **max sys**
 - 156W (5 LED modules)
 - 192W (6 LED modules)
 - 222W (7 LED modules)
- **classification**
class I power supply
- **ingress protection**
IP66 (lamp & gear compartments)
- **mounting spigot**
Ø65mm
- **pole installation details**
pole diameter Ø50 - 65mm
- **weight**
12kg
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031 : 2008
- **compliance standard**
 - S436 150W 5 x LED module-LEDXION K09220 150W
 - S436 180W 6 x LED module-LEDXION K09220 180W
 - S436 210W 7 x LED module-LEDXION K09220 210W

dimension



Note: specifications are subject to change without prior notice.

photometric LEDXION S436 210W



STREET LIGHTING

LEDXION S439 30W & 60W



LED performance highlight

- **typical luminous flux & efficiency @ 350mA**
144lm
- **viewing angle**
120°
- **thermal resistance**
6°C/W
- **max junction temperature**
150°

application

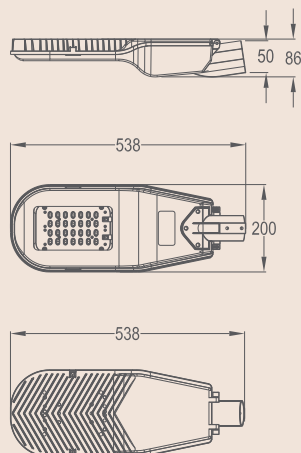
- general minings
- conveyor lightings
- pathways & parks
- shopping areas & car parks
- road lightings
- residential areas

technical data

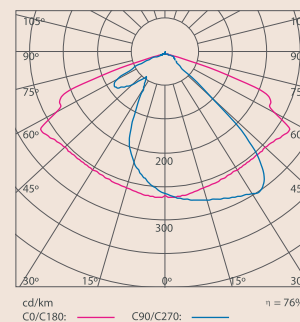
- **LED light source**
 - 1 LED module x 14 LUMILEDS LUXEON Rebel ES
 - 2 LED modules x 14 LUMILEDS LUXEON Rebel ES
- **max LED module power consumption**
 - 30W (1 LED module)
 - 60W (2 LED modules)
- **typical luminous flux**
 - 2800lm - 1 LED module
 - 5600lm - 2 LED modules
- **color temperature**
 - 5300K daylight
 - 3500K warmwhite
- **LED life cycle**
50,000 hrs
- **housing material**
die-cast aluminium finish with durable polyester epoxy powder coating
- **operating temperature**
-30°C ~ +50°C
- **power supply**
AC: 90 ~ 295Vac 50 / 60Hz

- **max system power consumption**
 - 36W (1 LED module)
 - 72W (2 LED modules)
- **classification**
class I power supply
- **ingress protection**
IP66 (lamp & gear compartments)
- **mounting spigot**
Ø50mm
- **pole installation details**
pole diameter Ø42 - 50mm
- **weight**
6kg
- **compliance standard**
 - LM 80
 - IEC 60598-1-2:2006
 - IEC 62031 : 2008
- **compliance code**
 - S439 30W 1 x LED module-LEDXION K09360 30W
 - S439 30W 2 x LED module-LEDXION K09360 60W

dimension



photometric LEDXION K09360 60W



Note: specifications are subject to change without prior notice.

STREET LIGHTING

LEDXION S419-150 40W



application

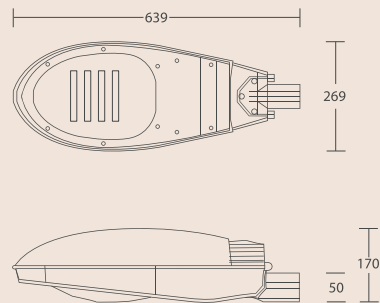
- conveyor lightings
- general mining lightings
- foot paths
- access ways
- road lightings

technical data

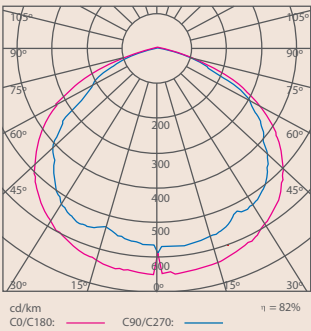
- **LED light source**
4 x 10W LB-48-10020 LED modules
- **max LED module power consumption**
40W
- **typical luminous flux**
2100lm
- **color temperature**
 - 6500K daylight &
 - 3000K warmwhite
- **LED life cycle**
30,000 hrs
- **housing material**
high pressure aluminium die-cast housing with Akzo Nobel Interpon outdoor epoxy powder coating
- **operating temperature**
-30°C ~ +50°C

- **power supply**
90 ~ 277Vac 47~ 63 Hz
- **max system power consumption**
45W
- **classification**
class II power supply
- **ingress protection**
IP66
- **mounting spigot**
Ø50mm
- **weight**
7.5kg
- **compliance standard**
UL879, UL1310 Class 2, cUL, FCC CE (EN55015, EN61347)

dimension



photometric



LUMINAIRE CLASSIFICATIONS

Electrical Protection
EN 60.598

 Class 1 – fittings comply with class 1 (I) earthed electrical requirements i.e. functional insulation in all parts and earth termination.

 Class 2 – fittings comply with class 2 (II) double insulated electrical requirements i.e. complete insulation in all parts without earth termination. In the event of an electrical fault, no dangerous voltage can reach touchable metal parts.

 Class 3 – fittings comply with class 3 (III) triple insulated electrical requirements i.e. Where protection against electrical shock relies on supply at safely extra-low (SELV) and in which voltages higher than those of SELV are not generated.

Inflammability of surface protection
EN 60.598

 F mark – fittings comply with installation requirements for mounting on flammable surfaces.

Degree of protection
EN 60.529

The resistive performance of fittings to solids and liquids is indicated by the IP (Ingress Protection) prefix followed by two numbers. The first number indicates the measure of protection against the ingress of solids. The second number indicates the measure of protection against the ingress of liquids.

First identification number
Protection against the ingress of solids

Symbol	Number	Measure of protection	Test
	IP2X	Against foreign bodies $\geq 12.5\text{mm } \varnothing$	Ball 12mm $\varnothing$ and finger test
	IP3X	Against foreign bodies $\geq 2.5\text{mm } \varnothing$	Steel wire 2.5mm $\varnothing$
	IP4X	Against foreign bodies $\geq 1.0\text{mm } \varnothing$	Steel wire 1.0mm $\varnothing$
	IP5X	Against harmful dust deposits (dust proof)	Talcum powder – particles 1 $\mu\text{m } \varnothing$
	IP6X	Against any entry of dust (dust tight)	Talcum powder – particles 1 $\mu\text{m } \varnothing$

Second identification number
Protection against the ingress of liquids

Symbol	Number	Measure of protection	Test
	IPX1	Against falling drops of water	Water falling vertically
	IPX2	Against falling drops of water	Water falling up to 15° from vertical
	IPX3	Against spraying water (rain proof)	Water sprayed at 60° from vertical
	IPX4	Against splashed water (splash proof)	Water from all directions
	IPX5	Against jets of water (jet proof)	Water from all directions projected by a nozzle
	IPX6	Against heavy seas or powerful water jets	Water from all directions projected by a nozzle
	IPX7	Against temporary immersion effects, directions projected not for continuous underwater application	Immerse in water < 1m for 30 minutes
	IPX8	Against continuous submersion (pressure water-tight)	Immerse in water > 1m for 30 minutes - max. depth tested indicated after symbol

LIGHTING GLOSSARY

Ballast lumen factor BLF (%)

Refers to the ratio of light output from the lamp on emergency operation to the nominal light output.

Candela (cd)

The unit of luminous intensity.

Colour rendering index Ra (%)

A measure of the degree to which the colour rendition of a light source differs on average from that of the lamp. At Ra (8) the illuminant (perceived) colour shift of eight reference colours is measured to give one number. Values of 100 - 90 are very good. 90 - 80 good and lamps with Ra's below 80 should not be used where people are working continuously.

Colour temperature T(k)

Black bodies (like most others) when heated to sufficiently high temperatures emit red light, when the temperature is increased further the emitted light becomes white.

The colour co-ordinates derived from this heated black body (a full spectral, or perfect radiator) when plotted on a diagram lie on a smooth curve known as the full radiator locus, and are shown on the CIE Chromacity Diagram.

The colour appearance of a given light source can be compared to a position on the full radiator locus by reference to its colour temperature, and is generally quoted in degrees Kelvin.

Glare

Glare is the discomfort caused by high luminances in the field of vision.

Light

Electromagnet radiation with a wavelength between 380 - 720mm. Ultraviolet light has a wavelength of less than 380mm whilst infrared light's is greater than 720mm.

Light level

The incidence of light flux on a surface per unit of area, measured in lux. There is a difference between the vertical and horizontal lighting level.

Light output ratio (LOR)

The ratio of the luminaire light output to lamp light output. The efficiency of the luminaire.

Lumen (lm)

Unit of luminous flux used to describe a quantity of light emitted by a source or received by a surface.

Luminaire efficiency

How well a luminaire uses the luminous flux of the lamp(s) employed. This ratio is calculated by dividing the total luminaire lumens by the total circuit watts.

Luminance

The measure of brightness with which the eye perceives an illuminated surface from a certain direction. The luminous intensity per unit of visible surface of a light source (direct) or an illuminated surface (reflection). Luminance is indicated in candelas per square metre (cd/m²).

Luminous efficiency (lm/w)

Indicates how efficiency a lamp converts electrical energy to light.

Luminous flux (lm)

The total light output of a lamp measured in lumen.

Luminous intensity (cd)

The power of a source or illuminated surface to emit light in a particular direction, measured in candela.

Lux (lux)

The unit of illuminance, equal to one lumen per square, metre (lm/m²)

Maintenance factor

Lighting levels decrease in time due to soiling and lamp deterioration. Mean values are 0.7 or 0.8 for a normal interior, depending on cleaning cycles.

Photometric curve

Shows whether the luminaire emits a narrow or wide beam of light and indicates the lighting level measured at the centre of the beam. The beam diameter and angle indicate where half the light is measured in relation to the centre of the beam. It gives only a rough guide of the size of beams narrower than 40°.

Polar curve

The graphic representation of the luminous intensity in different directions. If two curves are plotted, the distributions are in two vertical planes. The value is indicated in candelas per 1000 lumen (cd/klm) and therefore must be multiplied by the nominal luminous flux of the lamp(s) used. The polar curve graph also indicates luminaire efficiency.

Room index K

An index relating to the dimensions of a room influencing the amount of light emitted from the fitting onto the working surface.

$$K = \frac{a \times b}{h \times (a+b)}$$

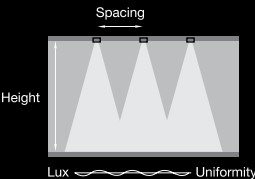
a = room length
b = room width
h = height between the luminaire and working surface

Shielding angle (°)

The horizontally measured angle from which the lamp or reflection from it in the reflector is no longer visible. It is an important measure of glare and, therefore, light comfort.

Spacing to height ratio (SHR)

Used to determine the maximum distance between luminaires. The ratio of the distance between adjacent luminaires to the the distance between the luminaire plane and the horizontal working plane.



Uniformity ratio illuminance

This indicates the degree of evenness of the light on the working surface and is shown as a ratio of the minimum to the mean lighting level on a surface. The lower the number the more disturbing the light.

Utilisation factor

The ratio of the light flux which the reference surface receives to the totalled luminous fluxes of the installation lamps. This is influenced by the shape of the room and selected luminaire and is expressed in the form of UF tables.

Downward flux fraction (DFF)

The factor of the total LOR, which is downward, taking the combined ULOR and DLOR as 100%. Using Cassini as an example, the DLOR is 37% and the ULOR is 15% so the combined is 52%. If this is taken as 100% LOR, 72% is downward (37% divided by 53%).

ACCREDITATIONS & CERTIFICATIONS

International

ISO 9001:2008 Quality Management System Standards certified by Bureau Veritas (BV) for design development and manufacture of HID ballast, industrial lightings and low voltage transformer since 2004.
Certificate of Type Test by ASTA Certificate Services (2002).
CE Marking on products for street lantern, ballast, ignitor, isolating transformer and current transformers (2005).

Domestic

ISO 9001:2008 Quality Management System since 1998.
SIRIM Product Type Test Certification for ballast, ignitor, street lighting and floodlights (1998).
JKR approval of products for ballast and ignitor (2005), street lighting (2006).
TNB approval on products for ballast and ignitor (2006).
Superbrands status (2006).



ISO9001 : 2008 BV



CE marking for ballast



CE marking for street lantern



CE marking for isolating transformer

CONTACT US



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