NIKKON®

INDUSTRIAL . COMMERCIAL . OUTDOOR

L I G H T I N G









NIKKON®

ABOUT US

NIKKON is a well-known brand in the field of industrial and street lighting, with a reputation for providing high quality products that are reliable and efficient. NIKKON offers a diverse range of industrial lighting solutions for domestic and international markets. Our range of LED lighting products encompasses street lighting, high bay and low bay, all of which boast exceptional quality, reliability and energy efficiency. They are built to withstand harsh industrial conditions.

Our NIKKON products are designed with highest quality, durability and conform to safety standards. The primary objective is to focus on assisting operators and users to save on their energy costs, optimising energy efficiency while reducing their carbon footprint which contributes to a more sustainable future.

We strive to stay up-to-date of the latest technology developments and prioritising green initiatives in our product offerings. Our proficient team of designers possesses the necessary expertise to meet our clients' expectations and support them in accomplishing their goals from the early stage of a project to its completion.

Besides, we have dedicated professional teams that provide training, services, installation, maintenance and troubleshooting. This allows us to collaborate with our customers to deliver value, experience and satisfaction as well as facilitate the development of long-term business relationships. Through this, NIKKON can leverage its expertise to meet customer needs in different markets and continue to grow its business.

Our Edge in Lighting.
We Believe in Bringing You the Advantage.

Industrial Lighting Project Expertise

Our team possesses extensive industry knowledge and technical expertise, delivering customised solutions and high quality lighting for various commercial and industrial applications.

Built for Quality, Engineered for Performance

Our industrial lighting is designed to withstand harsh weather conditions while delivering reliable illumination and efficiency. We continuously develop technologies to enhance product performance and sustainability.

Comprehensive Testing Facilities

Our lab is equipped with cutting-edge manufacturing equipments and testing facilities for research, design and product testing to ensure durability and optimal functionality.

Over 45 Years of Experience in Manufacturing Excellence

A strong foundation bolstered by a skilled workforce, enhances operational efficiency, stays relevant with technologies and implements best manufacturing practices. Our production capabilities enable us to fulfill large volume orders and meet short lead times.

Awards and Accreditations

We are accredited with ISO 9001:2015 for Quality Management System (QMS) and have obtained ISO 14001:2015 for Environmental Management System (EMS) in the LED Lighting segment. We comply with industry benchmarks, ensuring economic, environmental and social responsibility.

Project Services and Sales Support

Every project is executed seamlessly from the initial concept to final delivery including technical assistance and after-sales service, ensuring completion within scope and meeting customer satisfaction.

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INDUSTRIAL LIGHTING

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Note: All specifications are subject to change without prior notice for product improvement. Images are for illustrative purposes only.

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STREET LIGHTING



S419

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features

electrical system
- built-in control gear suitable for HID lamps from 70W - 400W

housing
- high pressure die-cast aluminium with AKzo Nobel Interpon outdoor epoxy powder coating

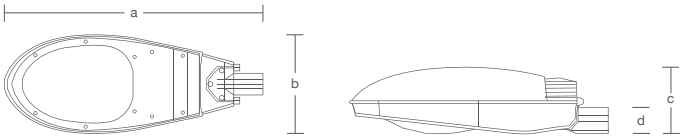
glass bowl
- thermal resistant tempered glass bowl

reflector
- deep draw high purity anodized aluminium reflector

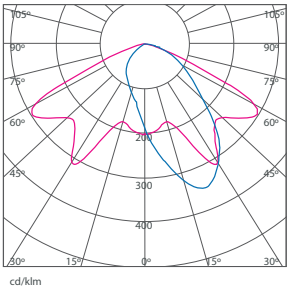
spigot
- standard spigot: 7°
  suitable for side entry mounting & post-top mounting (upon request)
- customized spigot: 0° (Upon Request)
  only suitable for side entry mounting

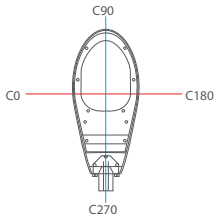
compliance and approvals
- sirim general requirement & test — IEC60598-1:2003
- sirim particular requirement (street lantern) — IEC60598-2-3
- TUV photometry — CIE 121:1996, CIE 70 :1987
- CE marking
- TUV type test — EN55015:2006 + A1 2007, EN61547:1995 + A1:2000, EN61000-3-2:2006 (class c), EN61000-3-3:1995 + A1, :2001 + A2, :2005, IEC60598-2-3:2002, EN60598-2-3:2003

dimension



photometric curve





note : photometric result tested based on 48000lm HPS 400W clear tube

technical data

ingress protection • IP66 (lamp compartment) & IP66 (gear compartment)
insulation class • class I (note : class II is available upon request)
voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • 70W - 400W
holder type • E27 & E40
maximum weight • 15.5kg
designed standards • IEC 60598-2-3
spigot size • ø50 mm - S419-70 & S419-150
• ø65 mm - S419-250 & S419-400

IP66 lamp compartment

IP66 gear compartment

key for standard order coding

S419 - 150 - S 0150

- capacity code : example = 150W
- lamp type : S = high pressure sodium
- housing model

matching table

housing model	lamp type					lamp holder	casing dimension (mm)				weight (kg)	carton dimension	order code
	high pressure sodium						a	b	c	d		(L x W x H) mm	
	70W	100W	150W	250W	400W								
S419-70	√					E27	500	200	136	50	5.0	455 x 230 x 140	S419-70-S0070
S419-150	√	√	√			E27 & E40	639	269	170	50	7.5	580 x 290 x 195	S419-150-S0150
S419-250			√	√		E40	764	302	189	65	10.5	690 x 330 x 210	S419-250-S0250
S419-400				√	√	E40	880	354	260	65	15.5	820 x 375 x 230	S419-400-S0400

* metal halide & mercury vapor street lantern are available upon request.

S159

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features

electrical system
- built-in control gear suitable for HID lamps from 70W - 150W

housing
- high pressure die-cast aluminium with AKzo Nobel Interpon outdoor epoxy powder coating

glass bowl
- thermal resistant glass bowl

reflector
- anodized aluminium reflector

spigot
- suitable for side entry mounting

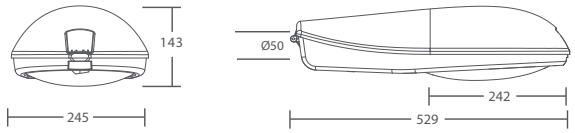
technical data

ingress protection • IP66 (lamp compartment) & IP54 (gear compartment)
insulation class • class I
voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • 70W - 150W
holder type • E27 & E40
maximum weight • 5.5 kg
spigot size • ø50 mm

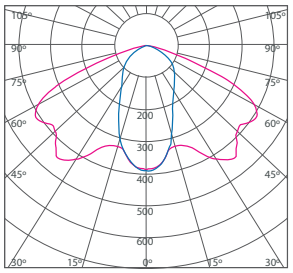
IP66 lamp compartment

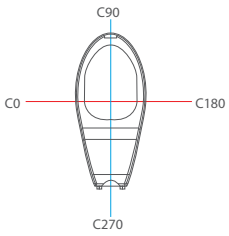
IP54 gear compartment

dimension



photometric curve





note : photometric result tested based on 14500lm HPS 150W clear tube

key for standard order coding

S159 - M 0070

- capacity code : example = 70W
- lamp type : M = metal halide, S = high pressure sodium, H = mercury vapor
- casing model

order code

casing model	lamp type	lamp holder	carton dimension (L x W x H) mm	order code
S159 MH 70W	tubular / bulb	E27	540 x 255 x 155	S159-M0070
S159 MH 150W	tubular / bulb	E27	540 x 255 x 155	S159-M0150
S159 HPS 70W	tubular / bulb	E27	540 x 255 x 155	S159-S0070
S159 HPS 150W	tubular	E40	540 x 255 x 155	S159-S0150
S159 HPMV 125W	bulb	E27	540 x 255 x 155	S159-H0125

S438-N

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features

electrical system
- built-in control gear suitable for HID lamps from 150W - 250W

body frame
- high pressure die-cast aluminium with AKzo Nobel Interpon outdoor epoxy powder coating

glass bowl
- thermal resistant tempered glass bowl

reflector
- deep draw high purity anodized aluminium reflector

spigot
- suitable for side entry mounting

compliance and approvals
- sirim general requirement & test IEC60598-1
- sirim particular requirement (street lantern) IEC60598-2-3

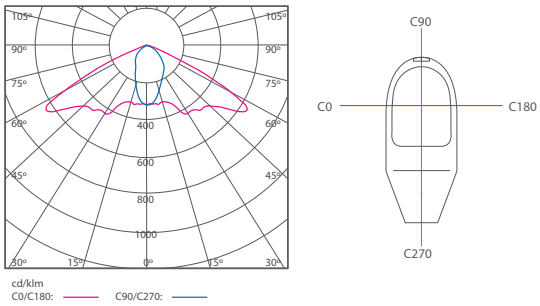
technical data

ingress protection • IP66 (lamp compartment) & IP54 (gear compartment)
insulation class • class 1
voltage • 220 - 240 Vac 50 /60Hz
lamp wattage • 150W - 250W
holder type • E27 & E40
maximum weight • 8.8 kg
designed standards • IEC 60598-2-3
spigot size • ø42 mm - ø48 mm

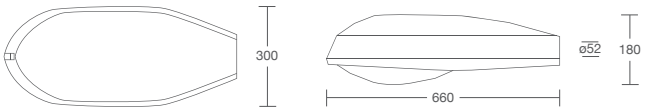
IP66 lamp compartment

IP54 gear compartment

photometric curve



dimension



key for standard order coding

S438-N M 0150

- capacity code : example = 150W
- lamp type : M = metal halide, S = high pressure sodium
- housing model

matching table

housing model	lamp type	lamp holder	carton dimension (L x W x H) mm	order code
S438-N HPS 150W	tubular	E40	675 x 315 x 190	S438-N-S0150
S438-N HPS 250W	tubular	E40	675 x 315 x 190	S438-N-S0250
S438-N MH 250W	tubular	E40	675 x 315 x 190	S438-N-M0250

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FLOODLIGHT



S1501

NIKKON®

220 - 240V 50 / 60Hz Rx7s IP65 F CE





features

electrical system
- built-in control gear suitable for HID lamps from 70W - 150W

housing
- high pressure aluminium die-cast housing with AKzo Nobel Interpon outdoor epoxy powder coating

reflector
- high purity anodized hammered finish aluminium reflector

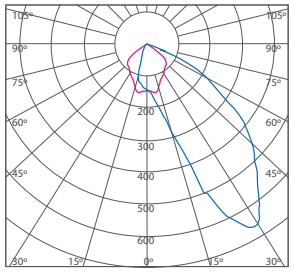
glass
- thermal resistant tempered glass

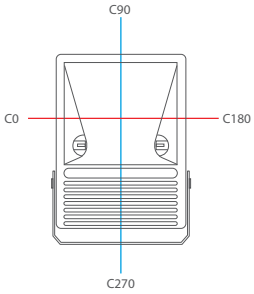
mounting bracket
- steel mounting bracket coated with epoxy powder

technical data

ingress protection • IP65
voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • 70W - 150W
holder type • RX7s
maximum weight • 5 kg
colour of housing • white & black

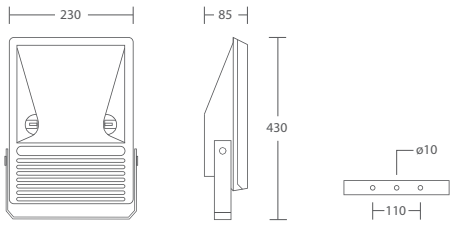
photometric curve





note : photometric result tested based on 11000lm MH 150W double ended tube

dimension



key for standard order coding

S1501 - S 0150

- 0150 — capacity code : example = 150W
- S — lamp type : S = high pressure sodium : M = metal halide
- S1501 — casing model

order code

model	lamp type	lamp holder	carton dimension (L x W x H) mm	order code
S1501 MH 70W	double ended	RX7s	441 x 265 x 100	S1501-M0070
S1501 MH 150W	double ended	RX7s	441 x 265 x 100	S1501-M0150
S1501 HPS 70W	double ended	RX7s	441 x 265 x 100	S1501-S0070
S1501 HPS 150W	double ended	RX7s	441 x 265 x 100	S1501-S0150

* casing available in black and white colour.

S2000

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220 - 240V 50 / 60Hz E40 IP65





features

electrical system
- built-in control gear suitable for HID lamps from 250W - 400W

housing
- high pressure aluminium die-cast housing with AKzo Nobel Interpon outdoor epoxy powder coating

reflector
- high purity anodized hammered finish aluminium reflector

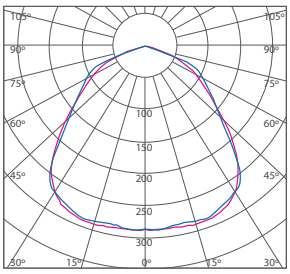
glass
- thermal resistant tempered glass

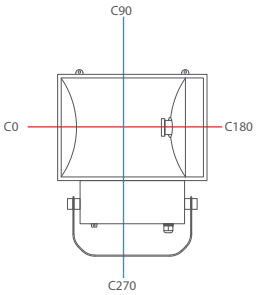
mounting bracket
- steel mounting bracket coated with epoxy powder

technical data

ingress protection • IP65
voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • 250W - 400W
holder type • E40
maximum weight • 9 kg
colour of housing • black

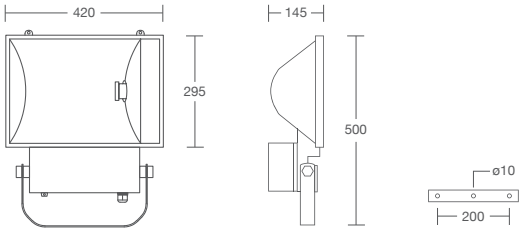
photometric curve



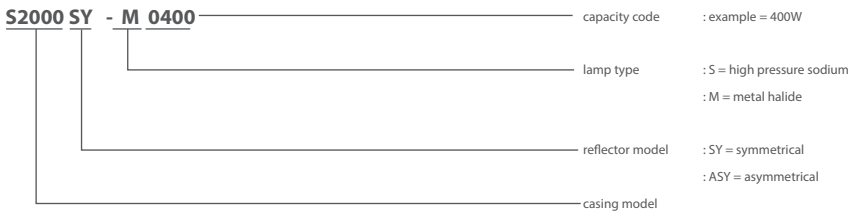


note : photometric result tested based on 32000lm MH 400W clear tube

dimension



key for standard order coding



order code

model	lamp type	lamp holder	carton dimension (L x W x H) mm	order code
S2000 SY MH 250W (2.1A)	tubular	E40	475 x 430 x 165	S2000-M0250
S2000 SY MH 400W	tubular	E40	475 x 430 x 165	S2000-M0400
S2000 SY HPS 250W	tubular	E40	475 x 430 x 165	S2000-S0250
S2000 SY HPS 400W	tubular	E40	475 x 430 x 165	S2000-S0400

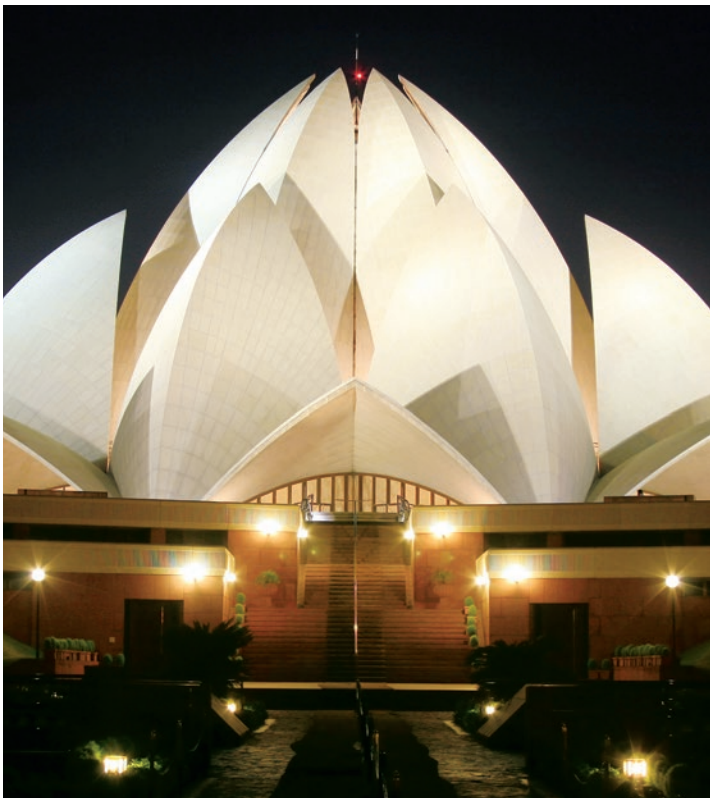
* S2000 asymmetrical type floodlight is available upon request.

S2030

NIKKON®

220 - 240V 50 / 60Hz E40 IP65





features

housing
- high pressure aluminium die-cast housing with AKzo Nobel Interpon outdoor epoxy powder coating

reflector
- high purity anodized hammered aluminium reflector

glass
- thermal resistant tempered glass

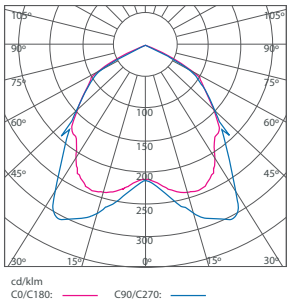
mounting bracket
- steel mounting bracket coated with epoxy powder

colour of housing
- black

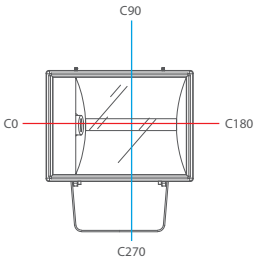
technical data

ingress protection • IP65
voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • 250W - 400W
lamp holder • E40
maximum weight • 10.0 kg

photometric curve

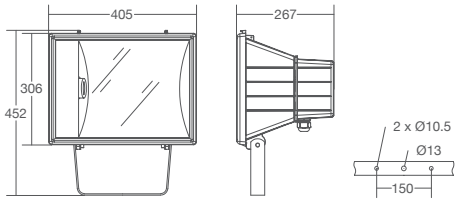


S2030 - Wide beam



note : photometric result tested based on 32000lm MH 400W clear tube

dimension



key for standard order coding

S2030 - S 0250

- 0250 — capacity code : example = 250W
- S — lamp type : S = high pressure sodium : M = metal halide : H = mecury vapor
- S2030 — casing model

order code

model	lamp type	lamp holder	carton dimension (L x W x H) mm	order code
S2030 MH 250W (2.1A)	tubular	E40	410 x 340 x 300	S2030 - M0250
S2030 MH 400W	tubular	E40	410 x 340 x 300	S2030 - M0400
S2030 HPS 250W	tubular	E40	410 x 340 x 300	S2030 - S0250
S2030 HPS 400W	tubular	E40	410 x 340 x 300	S2030 - S0400
S2030 HPMV 250W	bulb	E40	410 x 340 x 300	S2030 - H0250
S2030 HPMV 400W	bulb	E40	410 x 340 x 300	S2030 - H0400

S3000

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220 - 240V 50 / 60Hz E40 IP65







features

housing
- high pressure aluminium die-cast housing with AKzo Nobel Interpon outdoor epoxy powder coating

reflector
- high purity anodized hammered finish aluminium reflector

glass
- thermal resistant tempered glass

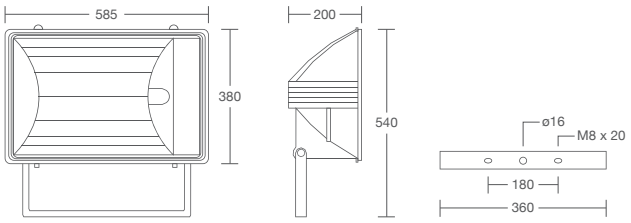
mounting bracket
- steel mounting bracket coated with epoxy powder

lamp holder
- E40 lamp holder conforming to EN / VDE standard

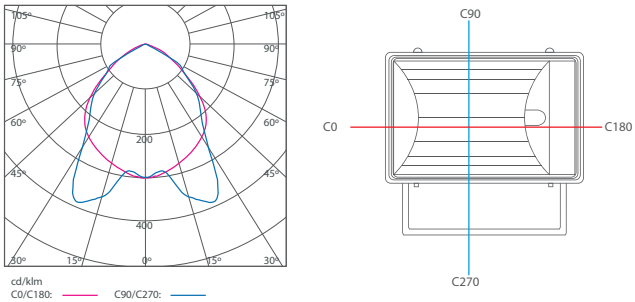
technical data

ingress protection • IP65 (lamp fitting)
voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • MH 1000W & HPS 1000W
holder type • E40
floodlight maximum weight • 11.6 kg
control gear maximum weight • S5100-M1000 : 14 kg / S5100-S1000 : 15.5 kg
colour of housing • black

dimension

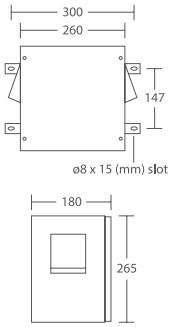


photometric curve

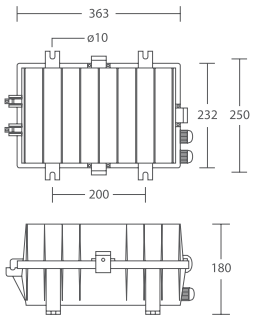


accessories

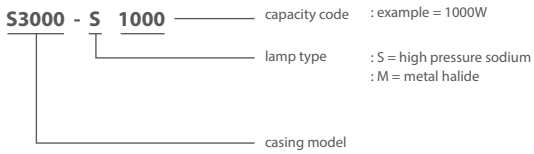
S5100-UC



S5100-UA



key for standard order coding

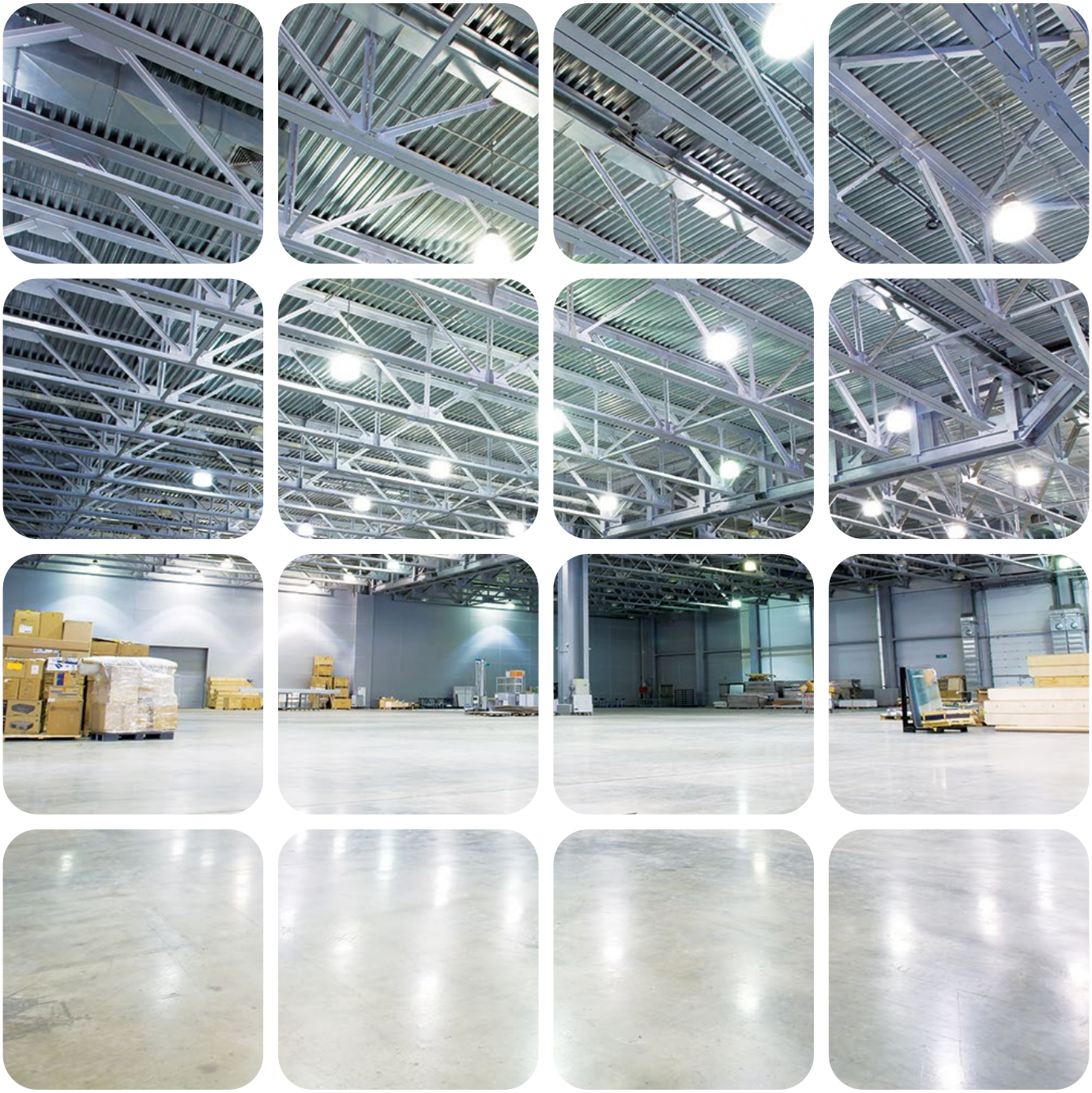


order code

model	lamp type	lamp holder	carton dimension (L x W x H) mm	order code
S3000 MH 1000W	tubular	E40	600 x 510 x 230	S3000-M1000
S3000 HPS 1000W	tubular	E40	600 x 510 x 230	S3000-S1000
accessories	**housing material**		**IP rated**	**order code**
remote control gear (MH 1000W)	steel c/w epoxy powder		IP43	S5100 UC-M1000
remote control gear (HPS 1000W)	steel c/w epoxy powder		IP43	S5100 UC-S1000
remote control gear (MH 1000W)	die-cast aluminium		IP65	S5100 UA-M1000
remote control gear (HPS 1000W)	die-cast aluminium		IP65	S5100 UA-S1000

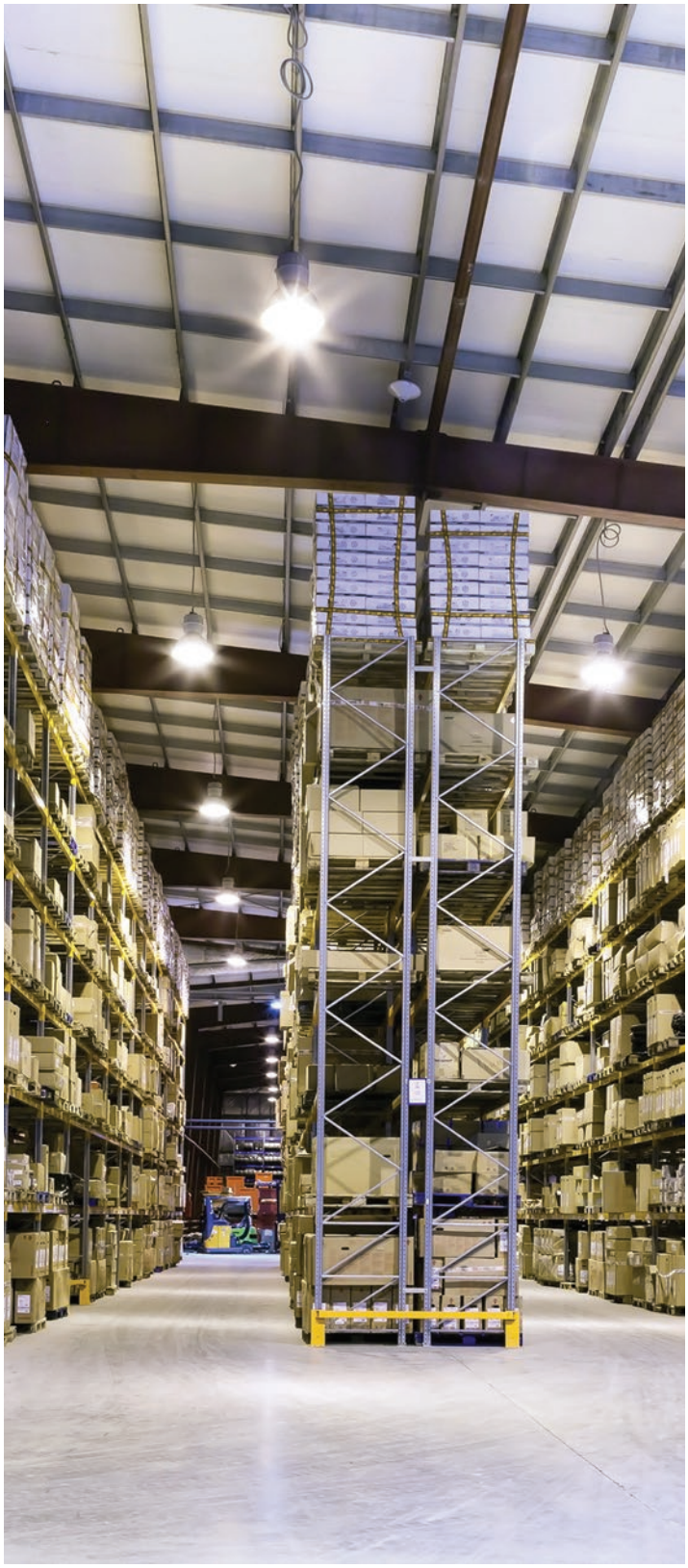
NIKKON®

HIGHBAY & LOWBAY



AL Series Highbay

NIKKON®



features

control gear housing
- high quality cold rolled steel with epoxy powder coating

power factor correction capacitor
- 100˚C aluminium casing self healing capacitor with overpressure break action mechanism

reflector
- high purity anodized polished aluminium reflector

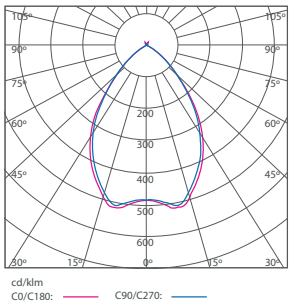
tempered glass / safety guard
- optional glass visor and wire guard can be mounted onto the reflector for safety purposes

others
- lamp holder and thermal resistant fibre glass wire

technical data

voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • 70W - 400W
holder type • E27 & E40
colour of housing • light grey

photometric curve



note : photometric result tested based on 32000lm MH
400W coated bulb complete with 18" AL reflector

key for standard order coding

AL 25400 - M 0250 - 8718+VGAL 8718

- Reflector & visor type:
  12 = 12" PC reflector without diffuser
  22d = 22" PC reflector with diffuser
- capacity code : example = 250W
- lamp type : M = metal halide
  S = high pressure sodium
  H = mercury vapor
- casing model

AL Series Highbay

NIKKON®



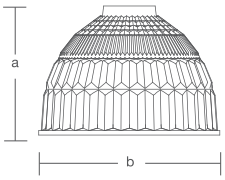




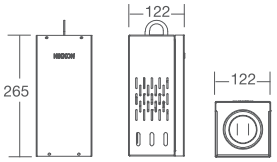
dimension & attachment

reflector				visor				
model	dimension (mm)		weight	model	dimension	weight	thickness	carton dimension
	a	b	(kg)		(mm)	(kg)	(mm)	(L x W x H) mm
N412G	315	ø390	0.4	N412G glass visor	ø380	0.45	5	667 x 388 x 388
N712G	405	ø465	0.7	N712G glass visor	ø465	2.20	5	267 x 473 x 473
6407	245	ø400	0.4	-	-	-	-	509 x 409 x 409
RAL8718	335	ø470	0.6	RAL8718 glass visor	ø465	2.20	5	510 x 475 x 475
RAL15MFWR	286	ø401	0.5	RAL15MFWR glass visor	ø401	1.70	5	645 x 425 x 425
RAL18MFWR	335	ø476	0.8	RAL18MFWR glass visor	ø476	2.40	5	530 x 500 x 500

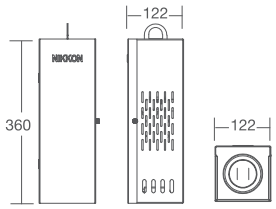
Aluminiumt Reflector



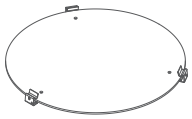
AL70150



AL25400



Glass Visor



matching table

casing model	reflector type	lamp type												visor	guard
		metal halide				high pressure sodium				mercury vapor					
		70W	150W	250W	400W	70W	150W	250W	400W	80W	125W	250W	400W		
N712G AL70150 / AL25400	N412G	√	√	√		√	√	√		√	√	√		√	√
				√	√			√	√			√	√	√	√
	6407	√	√	√		√	√	√		√	√	√		x	√
	RAL8718			√	√			√	√			√	√	√	√
	RAL15MFWR	√	√	√		√	√	√		√	√	√		√	√
	RAL18MFWR			√	√			√	√			√	√	√	√

x : not matching √ : matching

DS Series Highbay

NIKKON®





features

control gear housing
- high quality cold rolled steel with epoxy powder coating

power factor correction capacitor
- 100˚C aluminium case self healing capacitor with overpressure break action mechanism

reflector
- polycarbonate reflector for uniform light distribution

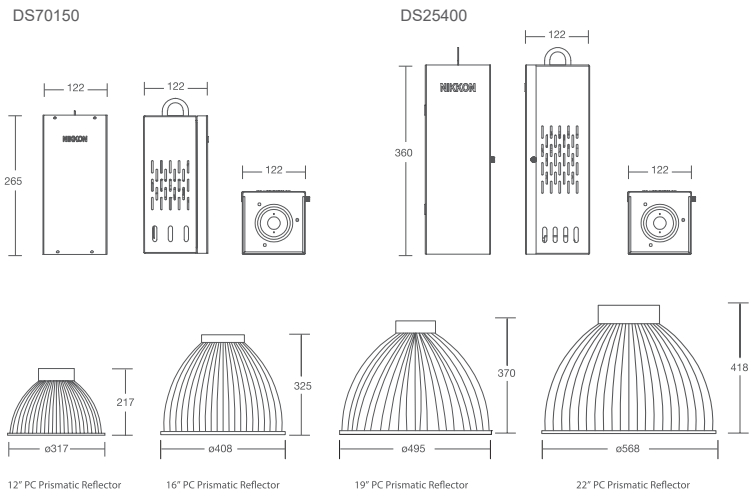
polycarbonate diffuser
- optional diffuser can be mounted onto the reflector to give better luminance control

others
- lamp holder and thermal resistant fibre glass wire

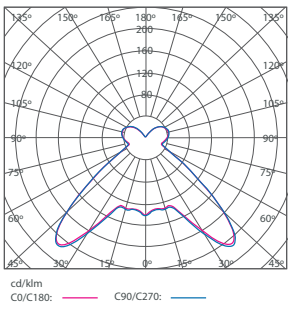
technical data

voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • 70W - 400W
holder type • E27 & E40
colour of housing • light grey

dimension

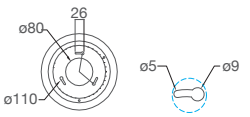


photometric curve

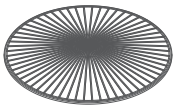


note : photometric result tested based on 36000lm MH 400W coated bulb come with 22" PC refractor

accessories

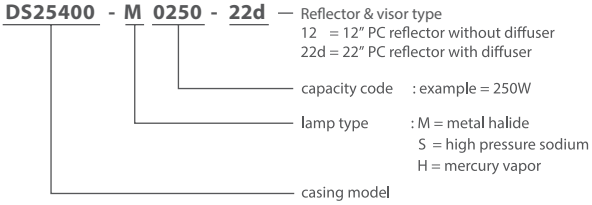


16", 19" & 22" refractor mounting hole



19" 250W & 22" 250W Diffuser

key for standard order coding



reflector & diffuser matching table

casing model	reflector type	lamp type												diffuser	order code
		metal halide				high pressure sodium				mercury vapor					
		70W	150W	250W	400W	70W	150W	250W	400W	80W	125W	250W	400W		
DS70150	12" PC	√	√			√				√	√				DS70150
	16" PC			√			√	√				√		X	
	19" PC			√			√	√				√		√	
DS25400	22" PC			√				√				√		√	DS25400
	22" PC				√				√				√	X	

* others matching are available upon request • PC : polycarbonate

X : not matching √ : matching

NL Series Lowbay

NIKKON®





features

electrical system
- built-in control gear suitable for HID lamp from 70W - 400W with well ventilated control gear compartment

reflector
- high purity aluminium reflector with hammered/clear polished surface

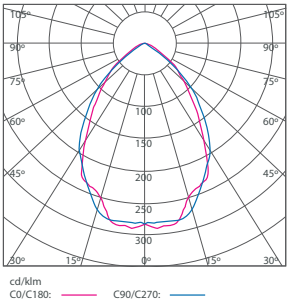
glass
- thermal resistant tempered glass

others
- lamp holder and thermal resistant fibre glass wire

technical data

voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • 70W - 400W
holder type • E27 / E40
colour of housing • white

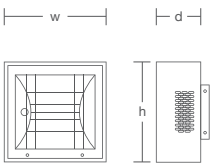
photometric curve



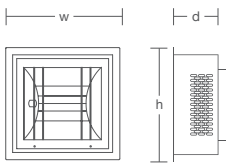
note : photometric result tested based on 19000lm MH 250W coated bulb

dimension

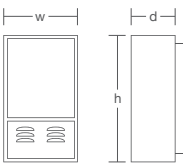
model	width	depth	height	opening hole
NL 150-RMS	400 mm	150 mm	400 mm	345 x 345 mm
NL 400-RMS	500 mm	230 mm	500 mm	420 x 420 mm
NL 150-SMS	345 mm	150 mm	345 mm	-
NL 400-SMS	420 mm	230 mm	420 mm	-
NL 150-SMR	250 mm	150 mm	430 mm	-
NL 400-SMR	320 mm	195 mm	600 mm	-



NL SERIES SMS



NL SERIES RMS



NL SERIES SMR

key for standard order coding

NL400 RMS - M 0250

- capacity code : example = 250W
- lamp type : M = metal halide, S = high pressure sodium, H = mercury vapor
- model

matching table

model	lamp type												carton dimension
	metal halide				high pressure sodium				mercury vapor				
	70W	150W	250W	400W	70W	150W	250W	400W	80W	125W	250W	400W	(L x W x H) mm
NL 150-RMS	√	√			√	√			√	√			420 x 420 x 210
NL 400-RMS			√	√			√	√			√	√	520 x 520 x 290
NL 150-SMS	√	√			√	√			√	√			356 x 351 x 220
NL 400-SMS			√	√			√	√			√	√	431 x 431 x 296
NL 150-SMR	√	√			√	√			√	√			450 x 270 x 230
NL 400-SMR			√	√			√	√			√	√	610 x 340 x 270

RMS : recessed mount square • SMS : surface mount square • SMR : surface mount rectangular

x : not matching √ : matching

NIKKON SE Highbay

NIKKON®



N412G 15″
Reflector



8718 18″
Reflector



features

control gear housing
- high quality cold rolled steel complete with epoxy powder coating

reflector
- High purity anodized polished aluminium reflector

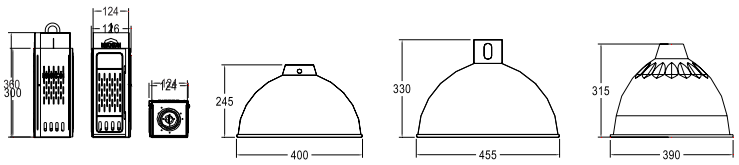
tempered glass
- optional visor can be mounted onto the reflector to provide safety purpose when used in public areas

others
- ceramic lamp holder and thermal resistant fiber glass wire

technical data

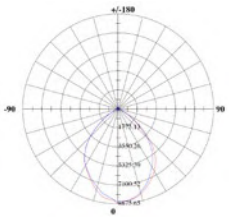
voltage • 220 ~ 240 Vac 50Hz
lamp wattage • 250W ~ 400W
holder type • E40 ceramic lamp holder
colour of housing • light grey

dimension



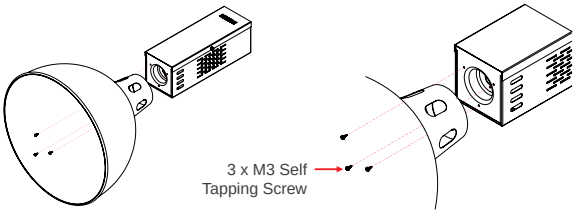
NIKKON SE - Casing | 6407 16" AL Reflector | 8718 18" AL Reflector | N412G 15" AL Reflector

photometric curve



note: photometric result tested based on 24000lm HPMV 400W coated bulb c/w 8718 18" aluminium reflector

installation diagram



key for standard order coding

NIKKON SE – M - 0250 - 8718

- 8718 — Reflector type
- 0250 — Capacity Code
- M — Lamp Type : M = Metal Halide, H = Mercury Vapor
- NIKKON SE — Casing Model

order code

casing model	lamp type	weight (kg)	order code
NIKKON SE	HPMV 250	4.3	NIKKON SE - H 0250
	HPMV 400	4.8	NIKKON SE - H 0400
	MH 250	4.4	NIKKON SE - M 0250
	MH 400	5.4	NIKKON SE - M 0400

reflector	model	weight (kg)	order code
aluminium reflector	N412G (15″)	0.4	N412G
	6407 (16″)	0.4	6407
	8718 (18″)	0.6	8718

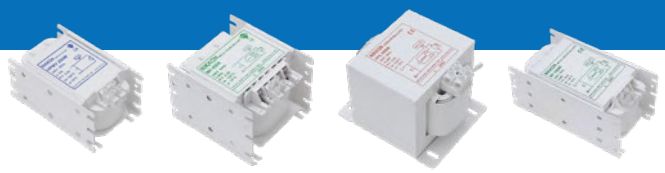
NIKKON®

LIGHTING ACCESSORIES



HID Lamp Ballast

NIKKON®





features

rate supply voltage
- 220V, 230V, 240V, 380V, 400V, & 415V
- 50Hz / 60Hz

max. permissible temperature rise (Δt)
- 70 - 85˚C

rated max. operation temperature (tw)
- 130ºC

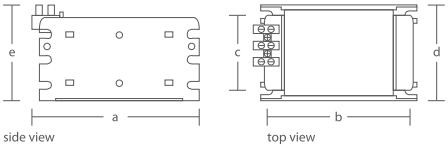
insulation temperature rating
- class H (copper)
- class F (aluminium)

manufacturing standard
- IEC61347-2-9:2003, IEC 61347-1:2003 & IEC 60923:2008

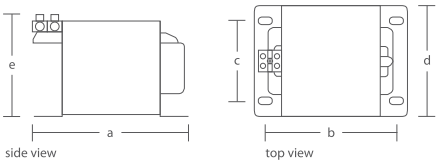
accreditations and certifications
- international : CE marking
- domestic : SIRIM, TNB, JKR, SESCO

dimension

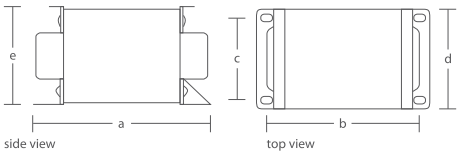
type A



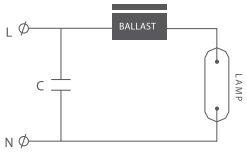
type B



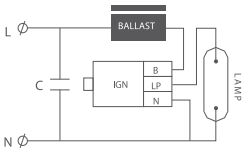
type C



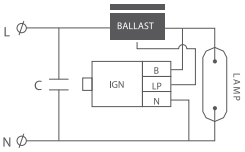
wiring diagram



2 terminal ballast (HPMV Only)



2 & 3 Terminal Ballast (MH & SON)
superimposed ignitor



3 terminal ballast (MH & SON)
pulse ignitor

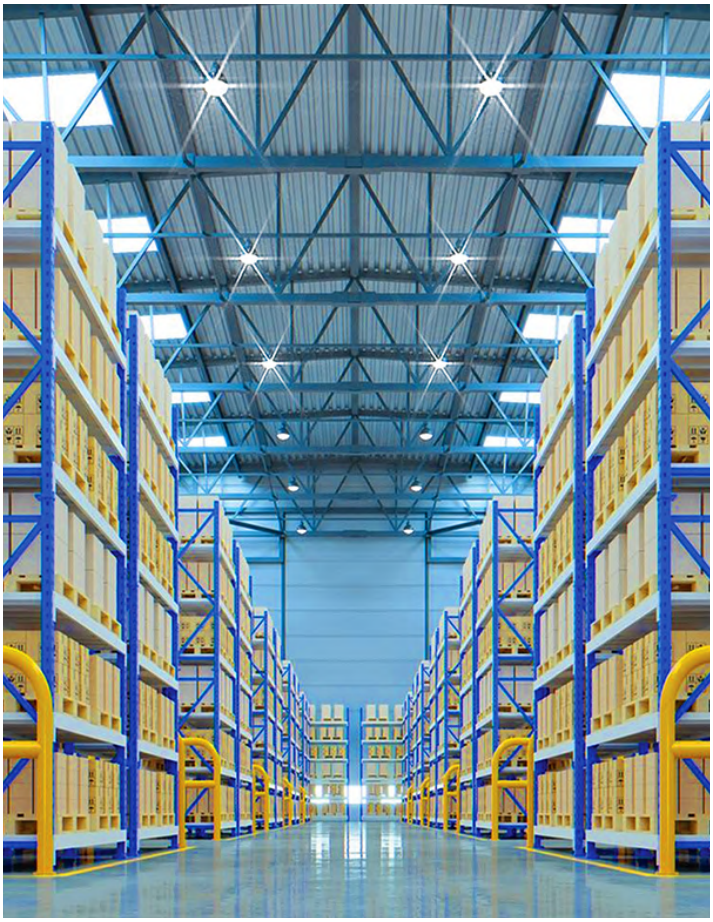
technical data

model	capacity (W)	load current (A)	power factor (pf.)	tw (ºC)	Δt (ºC)	capacitor (µF)	watt loss (W	dimension (mm) a	b	c	d	e	type	weight (kg)	carton dimension (L x W x H) mm
sodium/	35	0.53	0.38	130	70	10	12	96	87	56	70	70	A	1.00	310 x 220 x 85
metal halide	70	0.98	0.38	130	70	10	12	96	87	56	70	70	A	1.24	315 x 215 x 80
	100	1.20	0.43	130	70	15/16	15	96	87	56	70	70	A	1.45	313 x 213 x 80
	150(LT)	1.80	0.40	130	70	20	18	115	106	56	70	70	A	2.06	255 x 200 x 80
	250	3.00	0.42	130	70	30	25	110	102	82	99	85	A	3.76	285 x 255 x 115
	600	6.20	0.43	130	70	50/60	38	166	140	97	130	130	B	8.82	235 x 165 x 145
sodium	400	4.40	0.44	130	80	50	30	142	132	82	99	93	A	4.30	290 x 250 x 115
	1000	10.30	0.42	130	70	100	74	218	158	95	133	114	B	12.0	240 x 170 x 150
metal halide	250	2.13	0.52	130	70	20	22	120	106	56	70	70	A	2.45	290 x 250 x 130
	400	3.25	0.54	130	70	30	30	110	102	82	99	85	A	3.72	290 x 250 x 130
	1000	8.20	0.54	130	75	70	53	166	140	97	130	130	B	10.80	245 x 170 x 145
	2000	15.60	0.52	130	85	115	122	190	160	112	152	130	C	14.72	240 x 170 x 150
	2000(415V)	9.50	0.49	130	75	50	130	190	160	112	152	130	C	15.04	240 x 160 x 150
mercury	80	0.80	0.48	130	70	10	10	96	87	56	70	70	A	1.32	310 x 220 x 85
	125	1.15	0.54	130	70	10	15	96	87	56	70	70	A	1.40	310 x 220 x 85
	250	2.15	0.52	130	70	15/16	22	110	102	82	98	88	A	2.72	290 x 250 x 125
	400	3.25	0.54	130	70	25/30	24	110	102	82	98	88	A	3.28	290 x 250 x 125
	700	5.60	0.50	130	70	50	35	185	177	82	100	93	A	6.40	300 x 250 x 120
	1000	7.00	0.60	130	75	50	37	185	177	82	100	93	A	7.52	290 x 250 x 130

Ignitor (Nylon Casing)

NIKKON®





features

main voltage
- 220V - 240V 50Hz / 60Hz

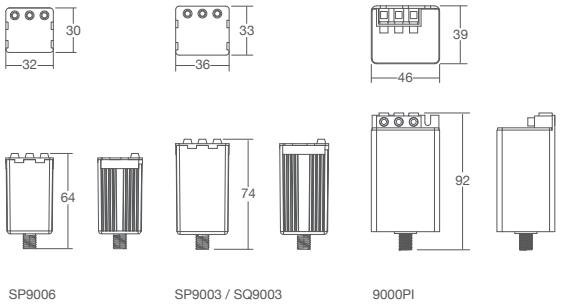
single point fixing
- nylon casing with M8 fastening

maintenance free
- fully electronic control

manufacturing standard
- MS IEC 61347-1:2003, MS IEC 61347-2-1:2003 & MS IEC 60927:2003

accreditations and certifications
- international : CE marking
- domestic : SIRIM

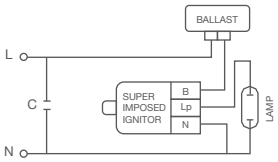
dimension



SP9006 SP9003 / SQ9003 9000PI

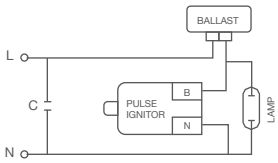
wiring diagram

SP9003 / SP9006 / SQ9003



Superimposed ignitor

9000PI



Pulse ignitor

technical data

model	input voltage (V)	frequency	ignition voltage	max housing temperature	weight (kg)	min operating temperature
9000 PI	220 - 240	50/60Hz	4.0 - 5.0 KV	90°C	0.076	-30°C
SP 9003	220 - 240	50/60Hz	3.5 - 4.5 KV	85°C	0.130	-30°C
SP 9006	220 - 240	50/60Hz	3.5 - 3.8 KV	90°C	0.060	-30°C

for domestic market

model	input voltage (V)	frequency	ignition voltage	max housing temperature	weight (kg)	min operating temperature
SQ 9003	220 - 240	50/60Hz	3.5 - 4.5 KV	85°C	0.130	-30°C

order code

model	ignitor type	lamp type	carton dimension (L x W x H) mm	order code
9000PI	pulse	MH 250 - 2000W / HPS 150 - 1000W	300 x 220 x 115	9000PI
SP 9003	superimposed	MH / HPS 70W - 400W	260 x 190 x 200	SP 9003
SP 9006	superimposed	MH / HPS 70W - 150W	260 x 190 x 200	SP9006

for domestic market

order code

model	ignitor type	lamp type	carton dimension (L x W x H) mm	order code
SQ 9003	superimposed	MH / HPS 70W - 400W	260 x 190 x 200	SQ 9003

Superimposed Ignitor (Aluminium Casing)

NIKKON®





features

main voltage
- 220V - 240V 50Hz / 60Hz

single point fixing
- aluminium casing with M8 fastening

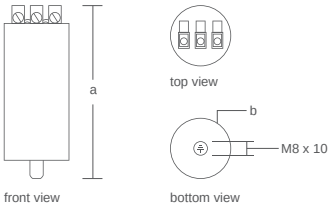
maintenance free
- fully electronic control

timer cut-off (for SP 9008T)
- able to detect lamp failure or end of lamp life and cut-off strinking voltage

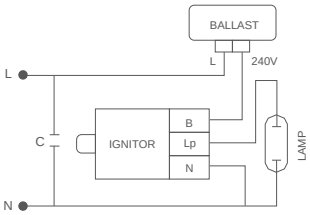
manufacturing standard
- IEC 60926 & IEC 60927

accreditations and certifications
- international : CE marking
- domestic : SIRIM, TNB, JKR, SESCO

dimension



wiring diagram



Superimposed ignitor

technical data

ignitor model	input voltage (V)	frequency	ignition voltage	max housing temperature	min operating temperature	weight (kg)	diameter b	length a
SP 9008	220 - 240	50/60Hz	2.8 - 5.0 KV	105°C	-30°C	0.14	36 mm	95 mm
SP 9008T	220 - 240	50/60Hz	2.8 - 5.0 KV	105°C	-30°C	0.14	36 mm	120 mm
SP 9009	220 - 240	50/60Hz	3.0 - 4.0 KV	105°C	-30°C	0.36	55 mm	92 mm
SP 9011	380 - 415	50/60Hz	4.0 - 5.0 KV	105°C	-30°C	0.32	55 mm	92 mm

order code

model	ignitor type	timer protection	suitable lamp type	IP rated	carton dimension (L x W x H) mm	order code
SP 9008	superimposed	-	MH & HPS 100W - 400W	IP65	270 x 230 x 200	SP 9008
SP 9008T	superimposed	cut off	MH & HPS 100W - 400W	IP65	260 x 185 x 200	SP 9008T
SP 9009	superimposed	-	HPS 1000W & MH 1000W - 2000W	IP65	300 x 200 x 260	SP 9009
SP 9011	superimposed	-	HPS 1000W & MH 1000W - 2000W	IP65	300 x 190 x 150	SP 9011

IP43 Remote Control Gear

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features

housing

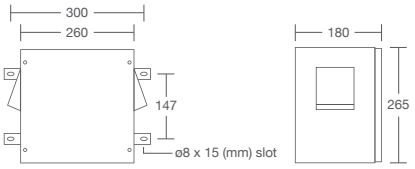
- high quality cold rolled steel complete with epoxy coating

technical data

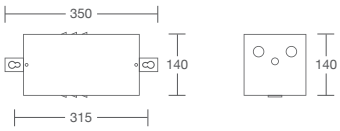
ingress protection • IP43
voltage • 220 - 240 Vac 50 Hz / 60Hz
lamp wattage • 250W - 1000W
colour of housing • S5100 - UC - black
S5025 / S5040 - light grey
weight • 14.75 kg

dimension

S5100-UC



S5025 - S5040 -OC



key for standard order coding

S5100 U C -M 1000

capacity code	: example = 1000W
lamp type	: M = metal halide : S = high pressure sodium : H = mercury vapor
housing material	: A = high pressure die-cast aluminium : C = cold rolled steel
usage	: O = outdoor : U = universal
casing model	

order code

model	lamp watt	lamp type	IP rated	carton dimension (L x W x H) mm	order code
S5100 - UC	1000W	MH / HPS / HPMV	IP43	360 x 290 x 230	S5100 - UC
S5025 - OC	250W	MH / HPS / HPMV	IP43	365 x 154 x 145	S5025 - OC
S5040 - OC	400W	MH / HPS / HPMV	IP43	365 x 154 x 145	S5040 - OC

IP65 Remote Control Gear

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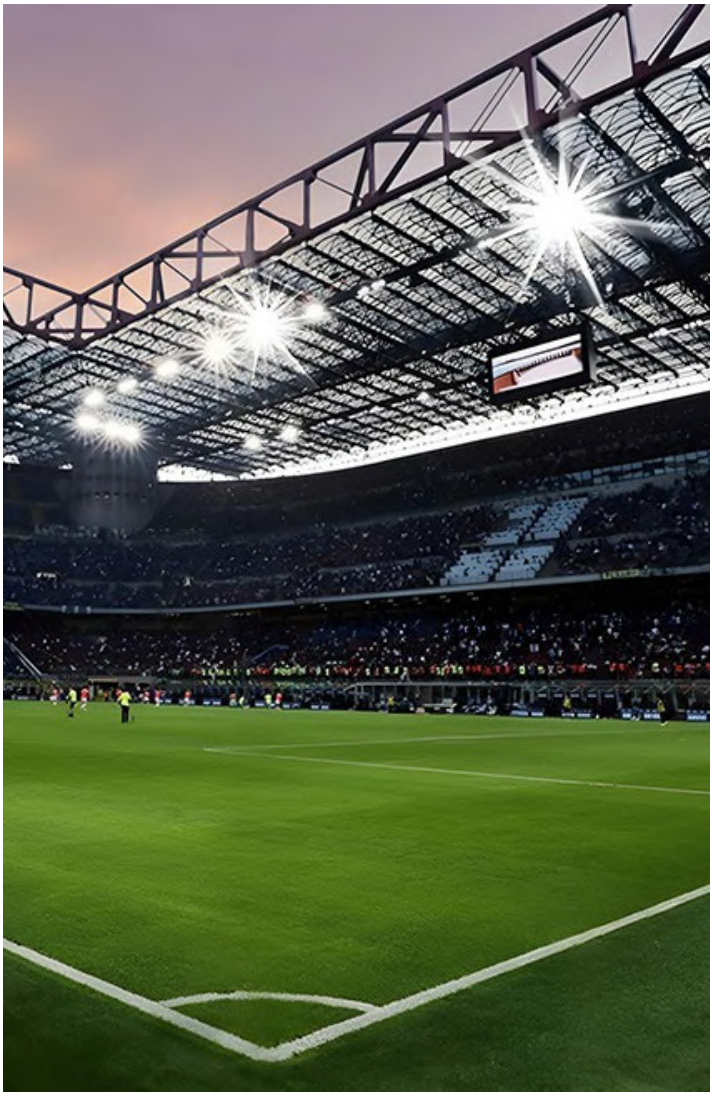

features

housing

- high pressure aluminium die-cast housing with AKzo Nobel Interpon outdoor epoxy powder coating

technical data

ingress protection • IP65
voltage • 220 - 240 Vac 50 Hz / 60Hz
lamp wattage • 1000W - 2000W
colour of housing • black
weight • MH 1000W - 14 kg
• MH 2000W - 19.5 kg
• HPS 1000W - 15.5 kg

dimension

key for standard order coding

S5200 U A -M 2000

- 2000 — capacity code : example = 2000W
- M — lamp type : M = metal halide : S = high pressure sodium : H = mercury vapor
- A — housing material : A = die-cast aluminium : C = cold rolled steel
- U — usage : U = universal
- S5200 — casing model

order code

model	lamp watt	lamp type	IP rated	carton dimension (L x W x H) mm	order code
S5100 - UA	1000W	MH / HPS / HPMV	IP65	410 x 285 x 205	S5100 - UA
S5150 - UA	1500W	MH	IP65	410 x 285 x 205	S5150 - UA
S5200 - UA	2000W	MH	IP65	410 x 285 x 205	S5200 - UA

Indoor Remote Control Gear

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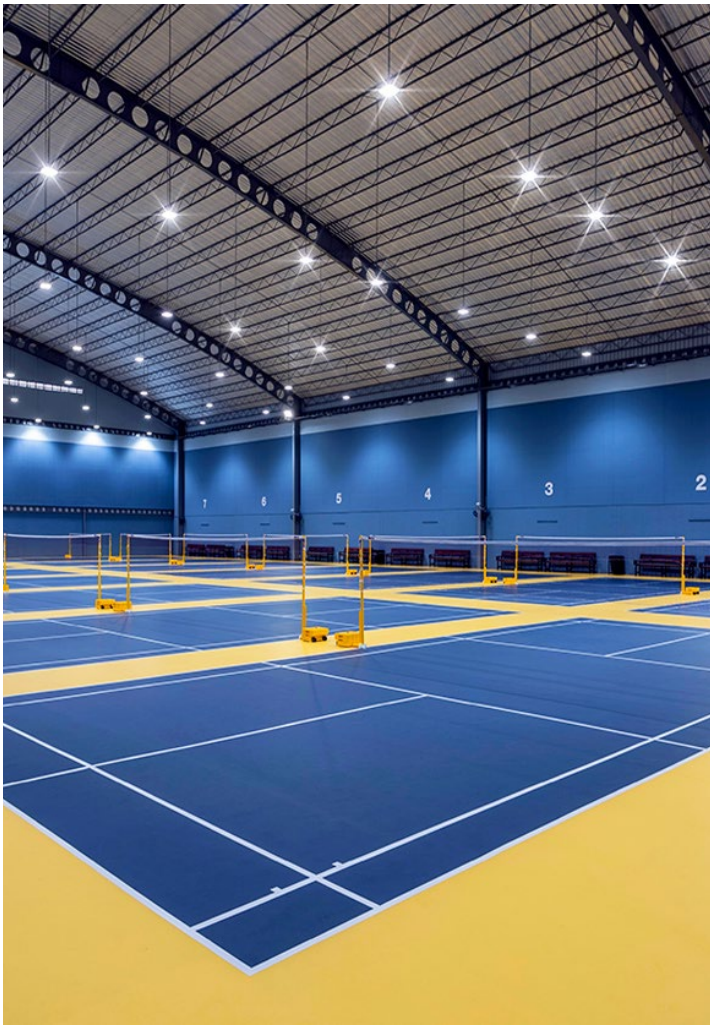


features

electrical system

- remote control gear suitable for ceramic HID lamps from 35W - 150W with ventilated design compartment

housing

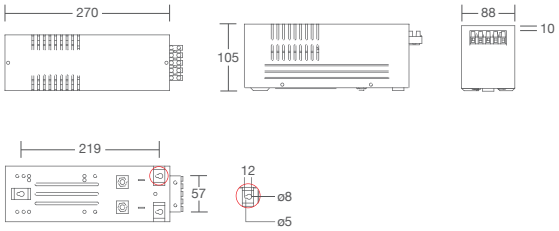
- epoxy powder coated body to increase the reliability of the enclosure

technical data

voltage • 220 - 240 Vac 50 / 60Hz
lamp wattage • HID 35W - 150W
colour of housing • light grey
weight • 35W - 1.8 kg
• 70W - 2.0 kg
• 150W - 2.9 kg

dimension

remote control gear



key for standard order coding

S5035 I C - M 0150

- capacity code : example = 150W
- lamp type : M = metal halide; : S = high pressure sodium; : H = mercury vapor
- housing material : C = cold rolled steel
- usage : U = universal
- casing model

applicable lamp type

brand	lamp type
Philips CDM Master Color	E27 par bulb, G12 single ended, RX7s double ended
GE Constant Color	E27 par bulb, G12 single ended, RX7s double ended
Osram POWERBALL	E27 par bulb, G12 single ended, RX7s double ended
EYE CERA ARC / COLOR ARC	E27 par bulb, G12 single ended, RX7s double ended

order code

model	lamp watt	lamp type	carton dimension (L x W x H) mm	order code
S5035 - IC	35W	MH / HPS / HPMV	290 x 96 x 113	S5035 - IC
S5007 - IC	70W	MH / HPS / HPMV	290 x 96 x 113	S5007 - IC
S5015 - IC	150W	MH / HPS / HPMV	290 x 96 x 113	S5015 - IC

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