



Prambanan Temple Compounds illuminated by Panasonic LED
[The floodlights used in the above image are not in this catalog.]

For more information, please visit the website:

» panasonic.net/es/id/

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Manufactured by

PT. Panasonic Gobel Eco Solutions Manufacturing Indonesia

Panasonic Corporation Eco Solutions Company

Lighting Equipment Business Unit, Lighting Business Division



ISO 9001 : ID04/0443



ISO 14001 : ID03/60117

Panasonic®

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New energy-efficient LED floodlights.

High-efficiency exceeding 100 lm / W*

Significantly High-efficiency has been achieved while maintaining a brightness equivalent to conventional HID floodlights. This floodlight illuminates spaces with low power consumption.

* 1/10-beam angle 35°, 50°, and 70° types

Over 100lm / W*

Lumens per watt (lm/W) is an indicator of cost efficiency. Lumens per watt is a unit of efficiency representing how much light (light flux: lm) per 1 W of power consumption is emitted. The higher lumens per watt, the more energy will be saved.

About 50% reduction in power consumption*

Power consumption has been reduced by about 50%* while maintaining a brightness equivalent to conventional HID 1000 model floodlights, contributing to cost savings.

Comparison of power consumption

About **50%** reduction in power consumption*

Average LED 549W

Conventional HID 1000 model floodlight: 1090W

*Comparison between an HID 1000 model floodlight YAX56565K-lamp MF1000B/BH-SCx1 and a LED floodlight NNY24626

Equipped with a safety wire

In case of severe vibrations or strong winds, the safety wire is included as a standard to prevent the fixture from falling.

Brightness is ensured throughout the product lifetime

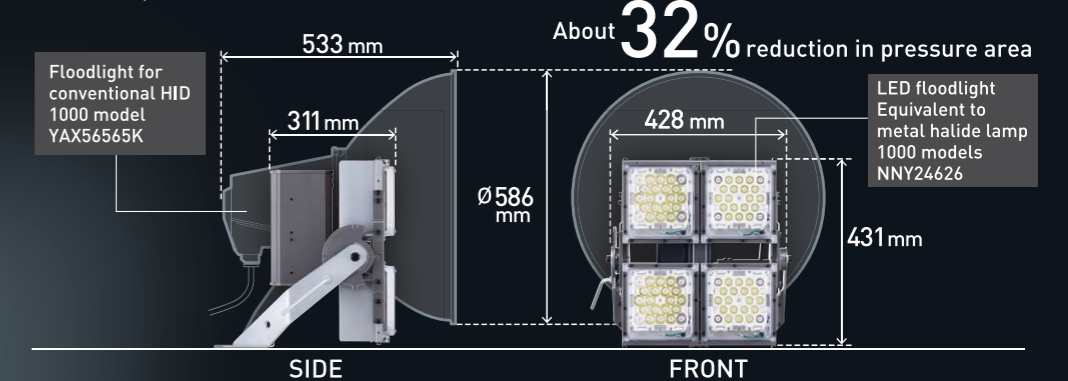
Due to a good thermal management design that releases the LED heat efficiently, 85% luminous flux maintenance rate can be achieved throughout the lifetime of this floodlight.



NNY24626

Compact body with a reduced pressure area

This small pressure area reduces the load on the base.

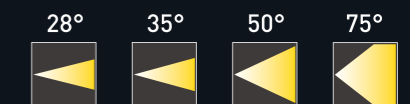


Four types of light distribution*

There are four types of light distribution types available to suit your needs. 1/10 beam angle of 125° is also available upon special request.

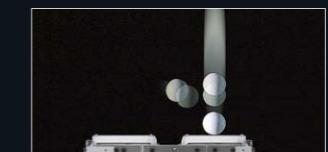
*LED floodlight (equivalent to metal halide lamp 2000/1500 models/1000 models)

1/10-beam angle LED floodlight (equivalent to metal halide lamp 2000/1500 models)



Shock-resistant front panel

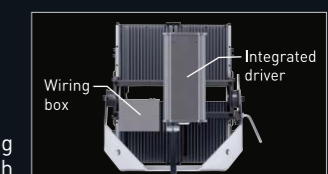
Shock-resistant polycarbonate front panel is utilized to prevent scattering when damaged.



Conceptual illustration

Integrated driver type for easy installation

Unlike conventional HID floodlights, this integrated driver type does not need to secure a place for installing an integrated driver. This type can be easily installed with the wiring box at the back.



Back of LED floodlight

The initial light flux correction feature contributes to saving energy.

The initial luminous flux correction function, which automatically corrects the excess brightness of the initial light source, is equipped to contribute to saving energy.

Salt-resistant specification




This model can be used in areas adjacent to the coast.


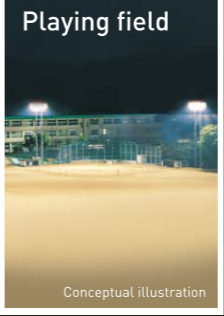




LED light source life of 40,000 (60,000) hours

These LED floodlights can produce maximum brightness instantly.

We offer a wide selection of brightness and light distribution options to fulfill your unique needs.

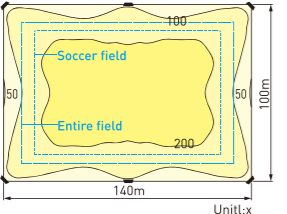

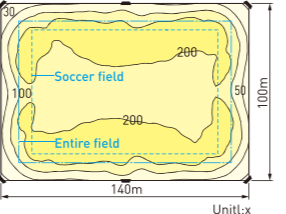
Recommended options for each application.

Equivalent to metal halide lamp 2000/1500 models		Stadium	Landmark
			
1/10-beam angle	28° NNY24640	●	○
	35° NNY24643	●	●
	50° NNY24641	○	●
	75° NNY24642	—	○

Equivalent to metal halide lamp 1000 models		Playing field	Driving range	Equivalent to mercury lamp 1000 models	Equivalent to metal halide lamp 400 models	Open space, parking lot, etc.
						
1/10-beam angle	28° NNY24625	—	●	NNY24610K	NNY24600K	○
	38° NNY24628	○	●	—	—	—
	50° NNY24626	●	○	NNY24611K	NNY24601K	○
	75° NNY24627	●	—	NNY24612K	NNY24602K	●

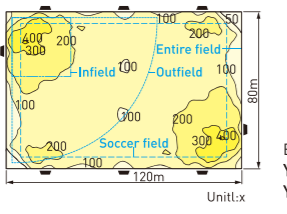

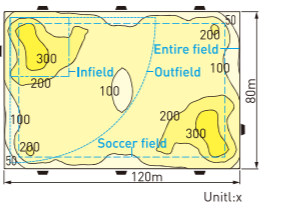
These High-efficiency LED floodlights can save significant energy for lighting of outdoor sports facilities.

Stadium (soccer)

	HID floodlight metal halide lamp 1500 models		LED floodlight equivalent to metal halide lamp 2000/1500 models
About 59% power saving			
	Equipment used (light source): YA56384(MT1500B/BH-SCM)		Equipment used: NNY24641 22 units NNY24643 8 units NNY24642 2 units
Number of units installed	48 units	reduced by 16 units	32 units
Average illuminance	soccer field: 213 lx entire field: 200 lx	almost the same	soccer field: 202 lx entire field: 208 lx
Power consumption	approx. 78.2 kW	about 59% power saving	approx. 31.8 kW (average power)
Uniformity ratio (minimum/average)	soccer field: 0.782 entire field: 0.550	almost the same	soccer field: 0.561 entire field: 0.546

[Conditions of illumination design] target average illuminance: soccer field 200 lx / target uniformity ratio [minimum/average]: soccer field 0.5
Lighting pylon: 6 units / equipment installation height: 24 m / height for calculation: 0 m / maintenance factor: HID floodlight 0.69, LED floodlight 0.81

Playing field

	HID floodlight		LED floodlight equivalent to metal halide lamp 1000 models
About 50% power saving			
	Equipment used (light source): YA56305K(M1000B/BH-SC) 32 units YA56384(MT1000B/BH-SC) 16 units		Equipment used: NNY24627 32 units NNY24626 16 units
Number of units installed	48 units	same number of units	48 units
Average illuminance	infield: 270 lx outfield: 147 lx soccer field: 174 lx entire field: 169 lx	almost the same	infield: 252 lx outfield: 140 lx soccer field: 170 lx entire field: 157 lx
Power consumption	approx. 52.3 kW	about 50% power saving	approx. 26.4 kW (average power)

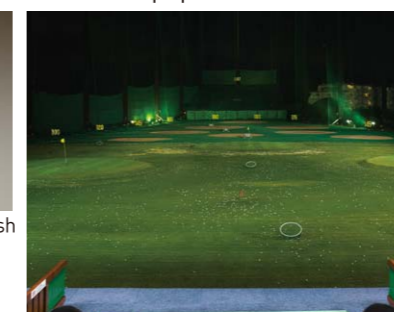
[Conditions of illumination design] target average illuminance: infield 200 lx, outfield 100 lx, soccer field 100 lx, entire field 100 lx
Lighting pylon: 8 units / equipment installation height: 14 m / height for calculation: 0 m / maintenance factor: HID floodlight 0.69, LED floodlight 0.81

Daylight color that makes a white ball stand out

Light color of conventional equipment (4000K)



A white ball looks yellowish and is less likely to stand out.

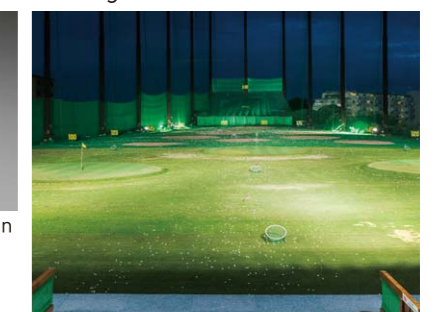


An example of a view from a tee
* This view does not correspond below illuminance distribution.

Light color of LED floodlight (5000K)

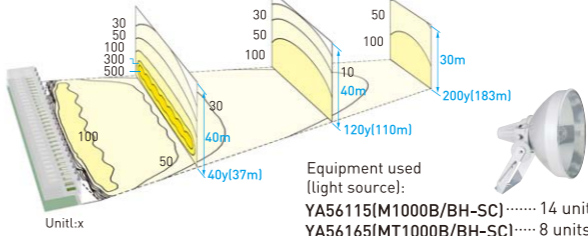

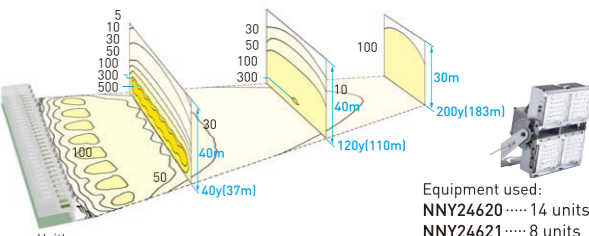


A white ball can be seen clearly.



An example of a view from a tee
* This view does not correspond below illuminance distribution.

Driving range

	HID floodlight		LED floodlight equivalent to multiple halogen light S type 1000 models
About 48% power saving			
	Equipment used (light source): YA56115(M1000B/BH-SC) 14 units YA56165(MT1000B/BH-SC) 8 units		Equipment used: NNY24620 14 units NNY24621 8 units
Number of units installed	22 units	same number of units	22 units
Average illuminance	Overall horizontal illuminance: 39.1 lx Vertical illuminance: [40y] 193 lx • [40y] 121 lx • [200y] 110 lx	almost the same	Overall horizontal illuminance: 37.2 lx Vertical illuminance: [40y] 179 lx • [40y] 137 lx • [200y] 140 lx
Power consumption	approx. 24.0 kW	about 48% power saving	approx. 12.4 kW (average power)

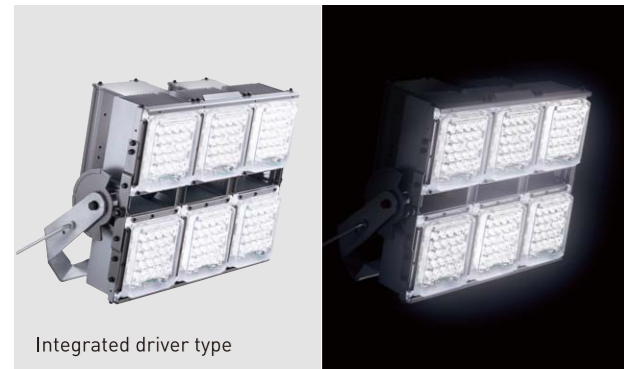
[Conditions of illumination design] target vertical illuminance: 100 lx / equipment installation height: 8 m / floor level for horizontal illuminance calculation: 1 m
maintenance factor: HID floodlight 0.68, LED floodlight 0.81

LED floodlight module type lineup

Equivalent to metal halide lamp

2000/1500 models

Suitable for stadiums



Integrated driver type

Louver is equivalent to metal halide lamp
2000/1500 models



NNY28438K Salt-resistant

Specifications
• Body: stainless steel (off-black)

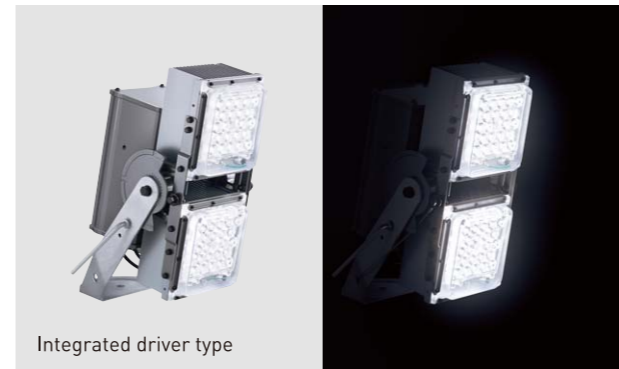
Remarks
• Applicable model number:
NNY24640·NNY24643·
NNY24641·NNY24642

1/10-beam angle	28°	NNY24640 98500 lm 1075W (Average power: 994W) 91.6 lm/W CRI 70
	35°	NNY24643 111400 lm 1075W (Average power: 994W) 103.6 lm/W CRI 70
	50°	NNY24641 117800 lm 1075W (Average power: 994W) 109.6 lm/W CRI 70
	75°	NNY24642 115000 lm 1075W (Average power: 994W) 107.0 lm/W CRI 70
Major features	<ul style="list-style-type: none"> • Lifetime: 40,000h • Luminous flux maintenance rate: 85% • Rated power type initial light flux correction • 5000K • Polycarbonate front panel • Rainproof • Salt-resistant • Safety wire equipped 	
Specifications	<ul style="list-style-type: none"> • Built-in LED-built-in power supply unit • Voltage: 200-242 V • Body: aluminum • Front panel: polycarbonate (transparent) • Arm: steel (hot-dip galvanized) • Handle: stainless steel • Survival wind speed: 60 m/sec. • Weight: 30.4 kg <p>Note) Dimming not possible</p>	
Fixture angle range	• Horizontal mounting	• Vertical mounting (downward)

Equivalent to mercury lamp

1000 models

Suitable for open spaces, parking lots, etc.



Integrated driver type

Louver is equivalent to mercury lamp
1000 models



NNY28436 Salt-resistant

Specifications
• Body: stainless steel (off-black)

Remarks
• Applicable model number:
NNY24610K·NNY24611K·
NNY24612K

1/10-beam angle	28°	NNY24610K 32800 lm 354W (Average power: 327W) 92.7 lm/W CRI 70
	50°	NNY24611K 39500 lm 354W (Average power: 327W) 111.6 lm/W CRI 70
	75°	NNY24612K 38500 lm 354W (Average power: 327W) 108.8 lm/W CRI 70
Major features	<ul style="list-style-type: none"> • Lifetime: 40,000h • Luminous flux maintenance rate: 85% • Rated power type initial light flux correction • 5000K • Polycarbonate front panel • Rainproof • Salt-resistant • Safety wire equipped 	
Specifications	<ul style="list-style-type: none"> • Built-in LED-built-in power supply unit • Voltage: 200-242 V • Body: aluminum • Front panel: polycarbonate (transparent) • Arm: steel (hot-dip galvanized) • Handle: stainless steel • Survival wind speed: 60 m/sec. • Weight: 11.8 kg <p>Note) Dimming not possible</p>	
Fixture angle range	• Horizontal mounting	• Vertical mounting (downward)

Equivalent to metal halide lamp

1000 models

Suitable for playing fields/driving ranges



Integrated driver type

Louver is equivalent to metal halide lamp
1000 models



NNY28437K Salt-resistant

Specifications
• Body: stainless steel (off-black)

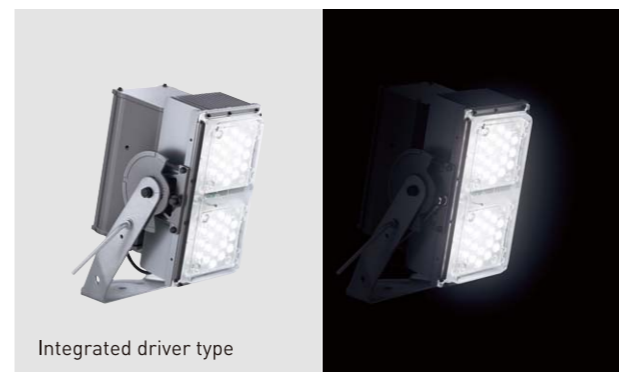
Remarks
• Applicable model number:
NNY24625·NNY24628·
NNY24626·NNY24627

1/10-beam angle	28°	NNY24625 53700 lm 593W (Average power: 549W) 90.6 lm/W CRI 70
	38°	NNY24628 59000 lm 593W (Average power: 549W) 99.5 lm/W CRI 70
	50°	NNY24626 64200 lm 593W (Average power: 549W) 108.3 lm/W CRI 70
	75°	NNY24627 62500 lm 593W (Average power: 549W) 105.4 lm/W CRI 70
Major features	<ul style="list-style-type: none"> • Lifetime: 40,000h • Luminous flux maintenance rate: 85% • Rated power type initial light flux correction • 5000K • Polycarbonate front panel • Rainproof • Salt-resistant • Safety wire equipped 	
Specifications	<ul style="list-style-type: none"> • Built-in LED-built-in power supply unit • Voltage: 200-242 V • Body: aluminum • Front panel: polycarbonate (transparent) • Arm: steel (hot-dip galvanized) • Handle: stainless steel • Survival wind speed: 60 m/sec. • Weight: 20.1 kg <p>Note) Dimming not possible</p>	
Fixture angle range	• Horizontal mounting	• Vertical mounting (downward)

Equivalent to metal halide lamp

400 models

Suitable for open spaces, parking lots, etc.



Integrated driver type

Louver is equivalent to metal halide lamp
400 models



NNY28435 Salt-resistant

Specifications
• Body: stainless steel (off-black)

Remarks
• Applicable model number:
NNY24600K·NNY24601K·
NNY24602K

1/10-beam angle	28°	NNY24600K 18300 lm 188W (Average power: 174W) 97.3 lm/W CRI 70
	50°	NNY24601K 22800 lm 188W (Average power: 174W) 121.3 lm/W CRI 70
	75°	NNY24602K 22000 lm 188W (Average power: 174W) 117 lm/W CRI 70
Major features	<ul style="list-style-type: none"> • Lifetime: 60,000h • Luminous flux maintenance rate: 85% • Rated power type initial light flux correction • 5000K • Polycarbonate front panel • Rainproof • Salt-resistant • Safety wire equipped 	
Specifications	<ul style="list-style-type: none"> • Built-in LED-built-in power supply unit • Voltage: 100-242 V • Body: aluminum • Front panel: polycarbonate (transparent) • Arm: steel (hot-dip galvanized) • Handle: stainless steel • Survival wind speed: 60 m/sec. • Weight: 10.7 kg <p>Note) Dimming not possible</p>	
Fixture angle range	• Horizontal mounting	• Vertical mounting (downward)

lm: light flux emitted from LED equipment W: consumption power average power lm/W: intrinsic energy consumption efficiency (at 200 V)
Note) Products with the same model number may have different luminous color or brightness because LED has some variations.