S.M.E.srl
The led lighting company

Leader in
Design &
Performance

Brand Guidelines
2020-2021

LED floodlighting for SPORTING VENUES and LARGE AREAS

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ISO 9001

SV Certification Group certified that
SME's quality management system fully meets the
requirements of ISO 9001: 2015.
This certification guarantees the highest
standards of design and production processes.

ISO 14001

SME has established a system of Environmental
Management compliant with the Standard
UNI EN ISO 14001 «Environmental management system»
and is committed to comply with all legal and other
requirement and to direct their choices towards eco-
sustainable production for the entire production cycle.

ISO 18001

SME has established a Safety Management System
compliant with ISO 18001 Occupational health and safety
management system requirements and is committed to
comply with all legal and other regulations to direct its
choices towards improving health and safety workplace
conditions.

Environmental certification, Management and Operations

/03

SME products are engineered and manufactured to stand the test of time and maintain the **highest of performances**.
Therefore thermal and product tests are carefully carried out in our headquarters,
on all products and all categories, in order to place **extremely reliable and long-lasting** appliances on the market.

DURABILITY

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During the engineering process of a product, some of the key factors on which SME places greater focus are:
installing the **latest version of LEDs**,
to ensure maximum energy saving, and
ease of assembly to simplify and speed up the installation of the product.

One of SME Lighting distinctive features is its attention towards issues regarding **enviromental sustainability**, notably a particular focus on the **circular economy model**.
Starting from the design of the appliances, the question of what are the best materials of choice and how to dispose of them at the end of their life cycle, is central.

SUSTAINABILITY

Because of that SME has chosen to adhere to these two essential principles:
- Favouring the replacement of virgin raw materials with materials coming from recovery procedures-based supply chains that maintain quality standars intact.
- Designing its products thinking about their use at the end of their life cycle.

Thanks to this, SME has reached an overall **recyclability index** of up to 95% for most of its product categories.

/05

As of today, energy saving is the result of two important factors: being able to **reduce power consumption** (watts), for the same amount of light emitted, and to reduce maintenance costs..

The latter can be achieved by engineering LED products using top quality components that can maintain and even improve LED chip's lifetime over time.

ENERGY SAVING

To ensure maximum energy saving for energy companies, operators and utilities, SME Lighting periodically carries out research and tests to guarantee **the latest and most performing LED technology** and optical units. Currently, sporting facilities and large areas redeveloped with SME products can achieve **energy savings of around 75%**.

ENERGY SAVING

Nowadays energy savings up to 90% are possible whituout reducing the amount of light emitted. In sporting venues, metal-halide lamps (HID gas discharge lamps) are the most common light sources, in this particular instance energy saving is of about 75%

LONGER LIFESPAN

A well-designed LED product has a lifecycle of 100,000 hours, with an average L90 lighting capacity. It means that, if all the parameters are correctly met, after 100,000 hours the LEDs will have an illuminating capacity equal to or greater than 90% of the initial capacity.

Benefits of LED technology

REDUCED WIRING COSTS

In case of newly built systems, it will be sufficient to arrange a wiring with a lower capacity and, consequently, more efficient and less expensive. Lower consumption equals cheaper, lighter and more efficient systems.

REDUCED HEAT EMISSIONS

In addition to the evident low efficiency, they contribute to the need of climate conditioning since they make the environment in which they are installed considerably hotter, further increasing energy consumption.

IMMEDIATE POWER (ON/OFF)

LED technology can delivery immediate power even in warm starts. Other technologies, such as HPS and Iodides, have very long reaction times. With LED technology, the start
is always immediate even after a black out.

HIGHER COLOUR RENDERING

SME Lighting has chosen to mainly use colour temperatures of 4000K, 5.000K and 5700K with color rendering> 70,> 80.. The result is higher efficiency, a spectacularization of the actions for the benefit of the spectators thanks to the higher color saturation..

LED Products

Large areas - Sporting venues

Hades PR0 Performance

Large areas - Sporting venues

from 300W up to 500W

greatest in size
high performance

up to **86.808 lumen**

** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.

HADES PR0P

— TECHNICAL SPECIFICATIONS

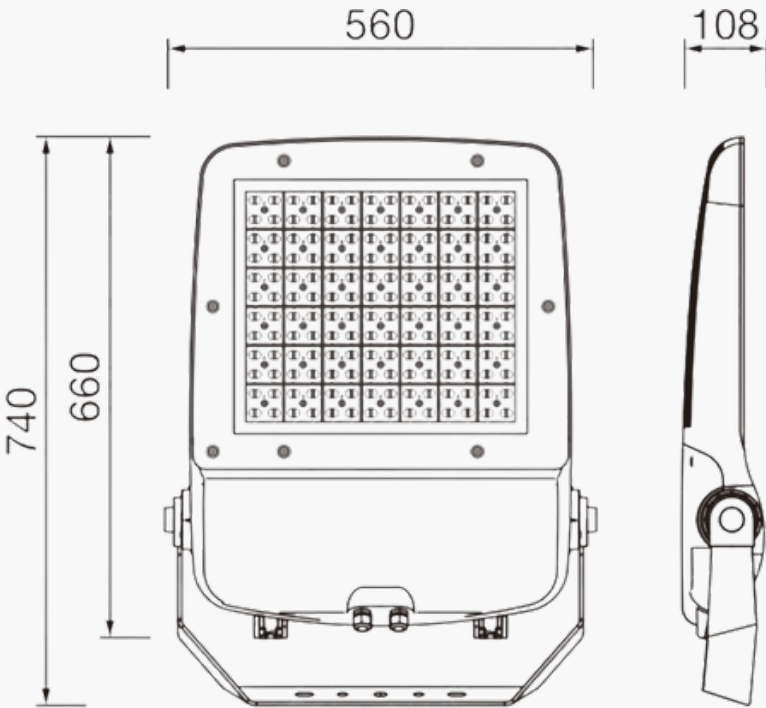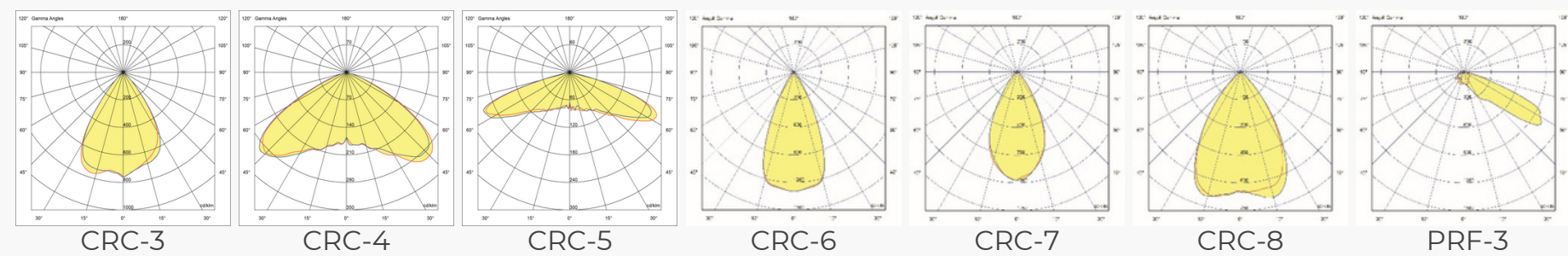|	
N° of LEDs:	192
Current amperage [mA]:	from 650 up to 940 mA
Colour temperature [K]:	3000K | 4000K | 5000K | 5700K
Luminous flux [lm]:	from 51.5800lm up to 86.808lm
Chromatic positioning:	≤ 4-step McAdam ellipse
Lifetime:	≥ 100.000h L90B10
IPEA index:	≥ A3+ (DM 27/09/2017 C.A.M.)

— ELECTRICAL SPECIFICATIONS

Power supply:	220/240V 50/60Hz
Power factor:	> 0,95
Overvoltage protection:	Standard 10 kV (Class II)

CE □ IP66 IK09 ECO DIMMABLE EXEMPT GROUP EN 62471

— SOME OF THE AVAILABLE OPTICS

CRC-3   CRC-4   CRC-5   CRC-6   CRC-7   CRC-8   PRF-3

** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.

560   108   740   660

Hades PR1 Performance

Large areas - Sporting venues

from 200W up to 300W

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modern look
great power

up to **50.000 lumen**

** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.

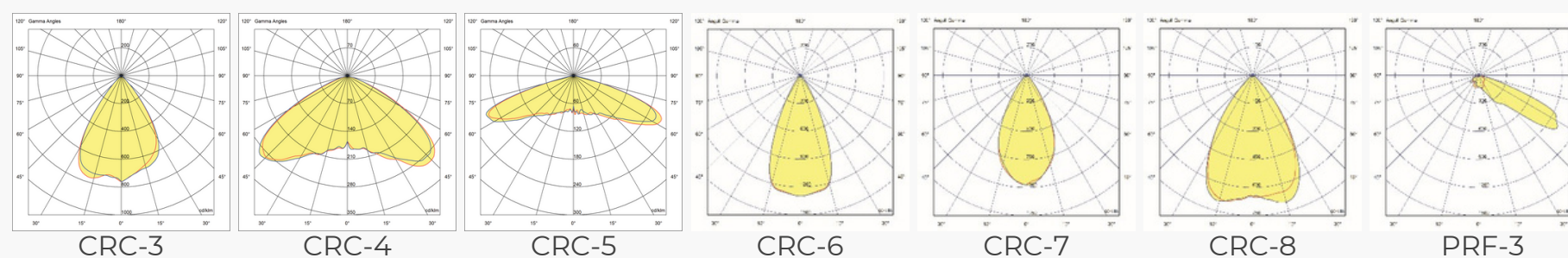# HADES PR1P

— TECHNICAL SPECIFICATIONS

N° of LEDs:	96
Current amperage [mA]:	from 650 up to 940 mA
Colour temperature [K]:	3000K | 4000K | 5000K | 5700K
Luminous flux [lm]:	from 33.000lm up to 50.000lm
Chromatic positioning:	≤ 4-step McAdam ellipse
Lifetime:	≥ 100.000h L90B10
IPEA index:	≥ A3+ (DM 27/09/2017 C.A.M.)

— ELECTRICAL SPECIFICATIONS

Power supply:	220/240V 50/60Hz
Power factor:	> 0,95
Overvoltage protection:	Standard 10 kV (Class II)

CE   □   IP66   IK09   ECO   DIMMABLE   EXEMPT GROUP EN 62471

— SOME OF THE AVAILABLE OPTICS

CRC-3   CRC-4   CRC-5   CRC-6   CRC-7   CRC-8   PRF-3
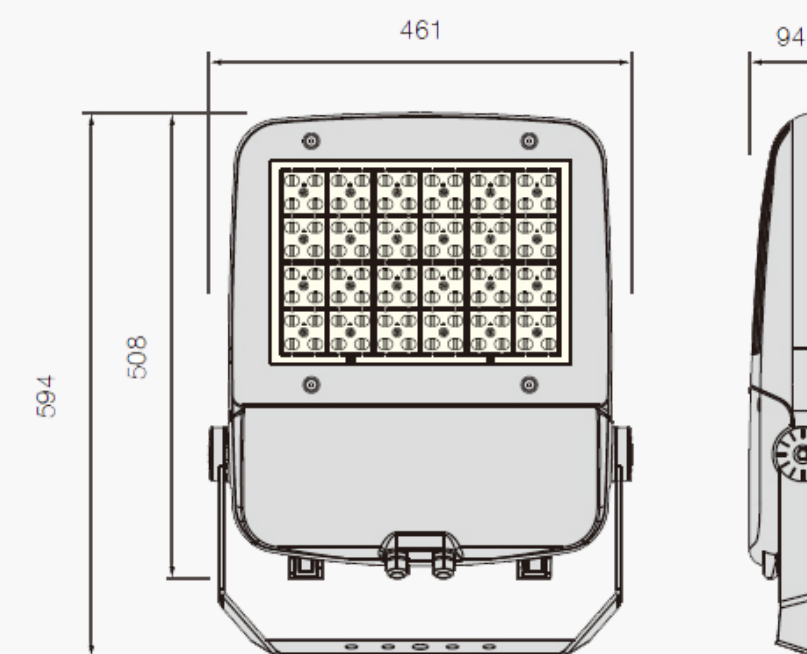
** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.

Extra-clear 4mm thick tempered glass

461   94   594   508

Hades PR2

Large areas - Sporting venues

from 10W up to 125W

———

lightweight cutting edge tech

up to **19.500 lumen**

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Mounting bracket with graduated scale

HADES PR2

— TECHNICAL SPECIFICATIONS
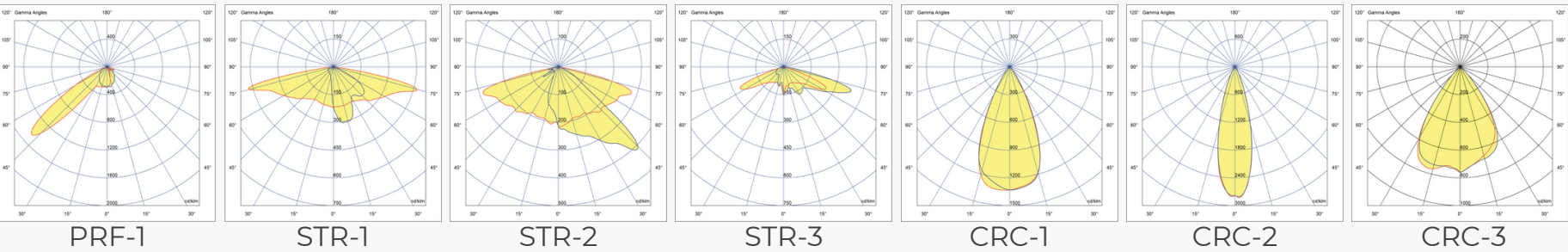
N° of LEDs:	12 | 24 | 36 | 48
Current amperage [mA]:	from 276 up to 952 mA
Colour temperature [K]:	3000K | 4000K | 5000K
Luminous flux [lm]:	from 1.600lm up to 19.500lm
Chromatic positioning:	≤ 4-step McAdam ellipse
Lifetime:	≥ 100.000h L90B10
IPEA index:	≥ A3+ (DM 27/09/2017 C.A.M.)

— ELECTRICAL SPECIFICATIONS

Power supply:	220/240V 50/60Hz
Power factor:	> 0,95
Overvoltage protection:	Standard 10 kV (Class II)

CE   IP66   IK09   ECO   DIMMABLE   EXEMPT GROUP EN 62471

— SOME OF THE AVAILABLE OPTICS

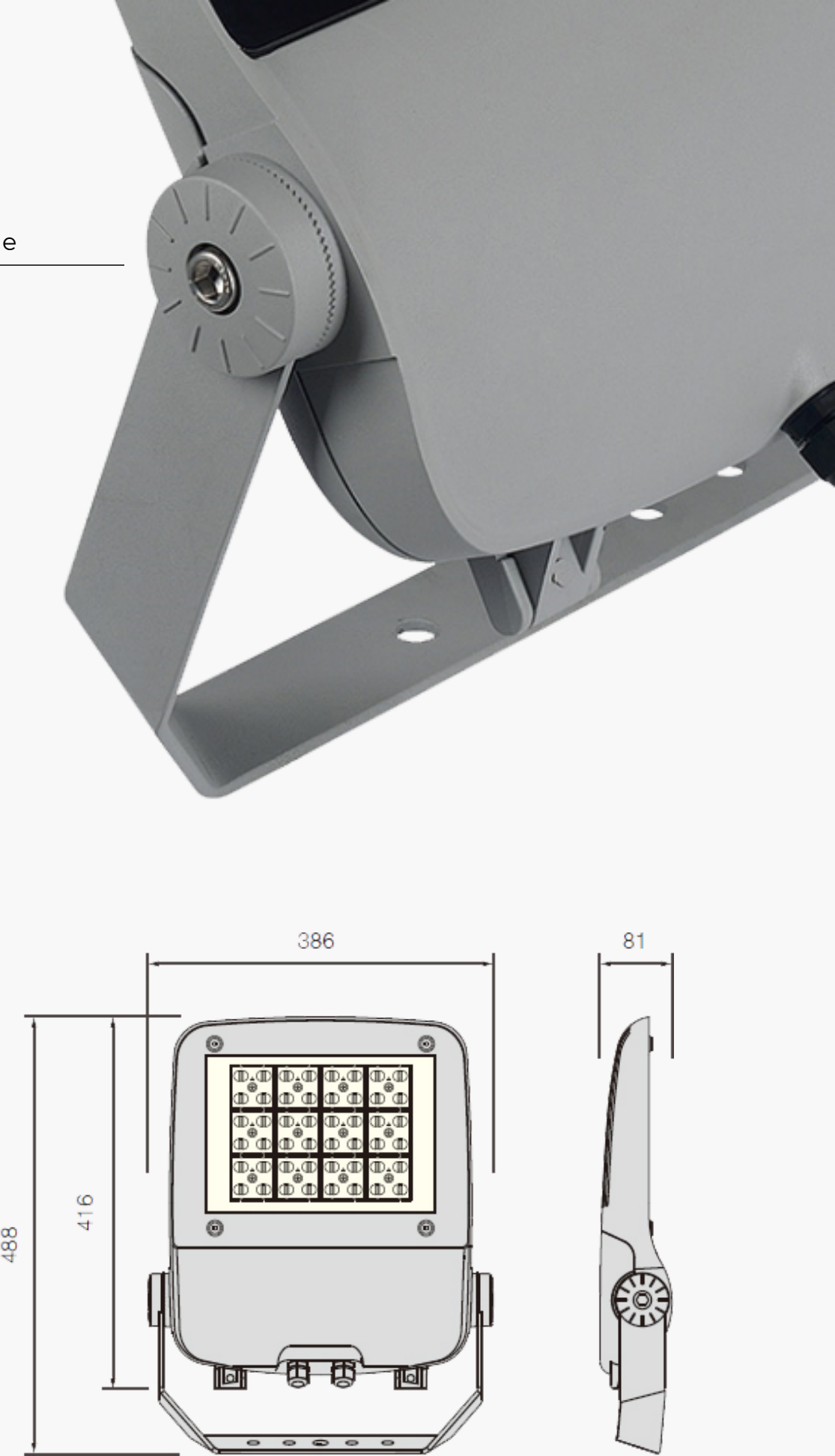| PRF-1	STR-1	STR-2	STR-3	CRC-1	CRC-2	CRC-3

** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.

386

81

488

416

Hades PR2 Performance

Large areas - Sporting venues

from 120W up to 200W

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same frame
more performance

up to **32.000 lumen**

** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.

HADES PR2P

— TECHNICAL SPECIFICATIONS

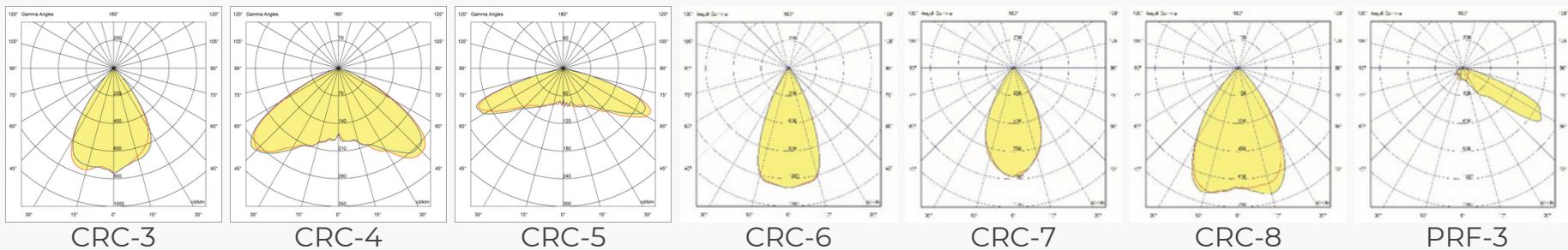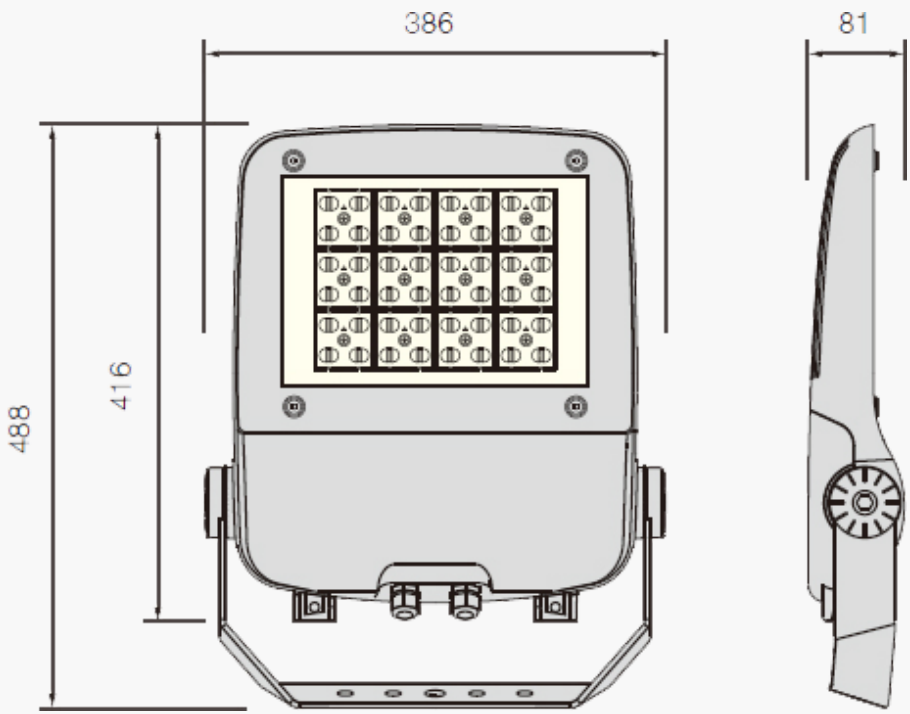|	
N° of LEDs:	48
Current amperage [mA]:	from 768 up to 1216 mA
Colour temperature [K]:	3000K | 4000K | 5000K | 5700K
Luminous flux [lm]:	from 19.500lm up to 32.000lm
Chromatic positioning:	≤ 4-step McAdam ellipse
Lifetime:	≥ 100.000h L90B10
IPEA index:	≥ A3+ (DM 27/09/2017 C.A.M.)

— ELECTRICAL SPECIFICATIONS

Power supply:	220/240V 50/60Hz
Power factor:	> 0,95
Overvoltage protection:	Standard 10 kV (Class II)

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— SOME OF THE AVAILABLE OPTICS

CRC-3   CRC-4   CRC-5   CRC-6   CRC-7   CRC-8   PRF-3

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386

81

488

416

Easy access power compartment

Hades PR3

Large areas - Sporting venues

from 10W up to 80W

—

smallest in size
versatility
power

up to **12.681 lumen**

** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.

Cable gland and osmotic valve

HADES PR3

── TECHNICAL SPECIFICATIONS

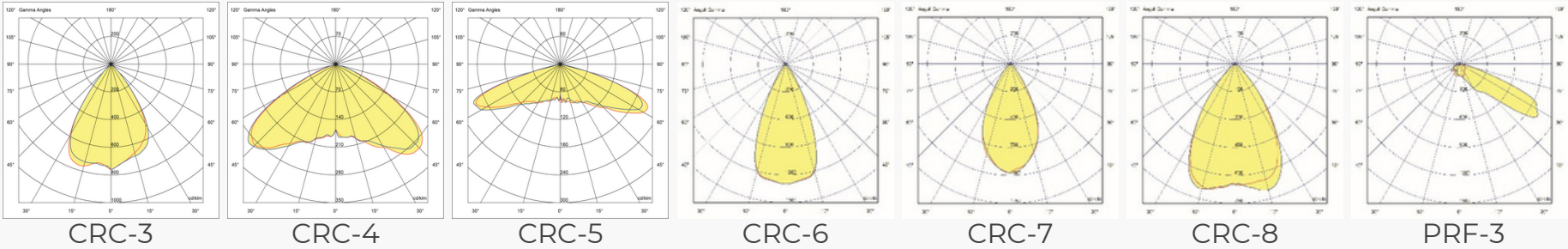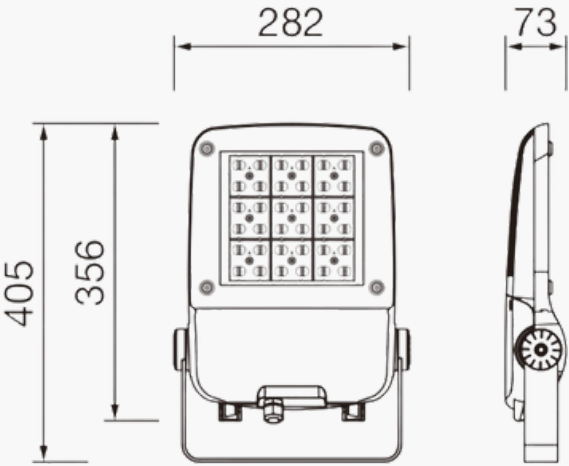|	
N° of LEDs:	12 | 24 | 36
Current amperage [mA]:	from 276 up to 912 mA
Colour temperature [K]:	3000K | 4000K | 5000K
Luminous flux [lm]:	from 1.633lm up to 12.681lm
Chromatic positioning:	≤ 4-step McAdam ellipse
Lifetime:	≥ 100.000h L90B10
IPEA index:	≥ A3+ (DM 27/09/2017 C.A.M.)

── ELECTRICAL SPECIFICATIONS

Power supply:	220/240V 50/60Hz
Power factor:	> 0,95
Overvoltage protection:	Standard 10 kV (Class II)

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── SOME OF THE AVAILABLE OPTICS

CRC-3   CRC-4   CRC-5   CRC-6   CRC-7   CRC-8   PRF-3

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282   73

405   356

Nemesi PR1

Large areas - Sporting venues

from 150W up to 200W

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rounded shape versatility power

up to **30.797 lumen**

** For more technical informations see product datasheet.
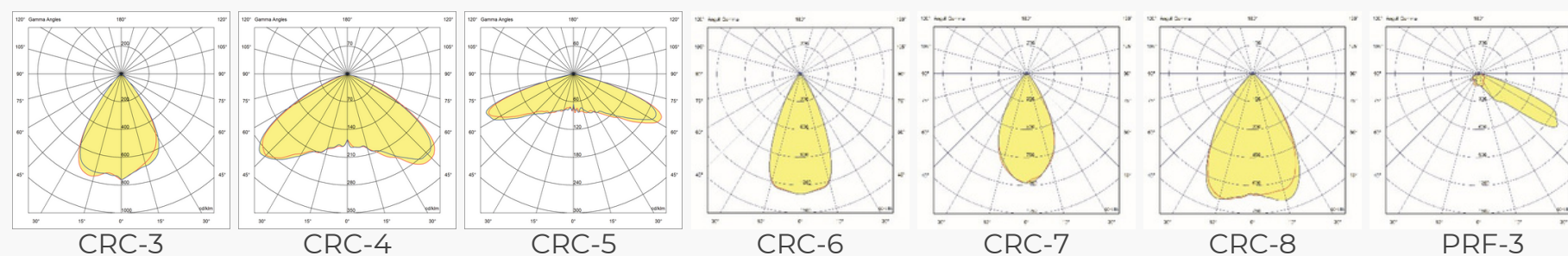*** Customised options available upon request by e-mail.

Mounting as high-bay option

NEMESI PR1

— TECHNICAL SPECIFICATIONS

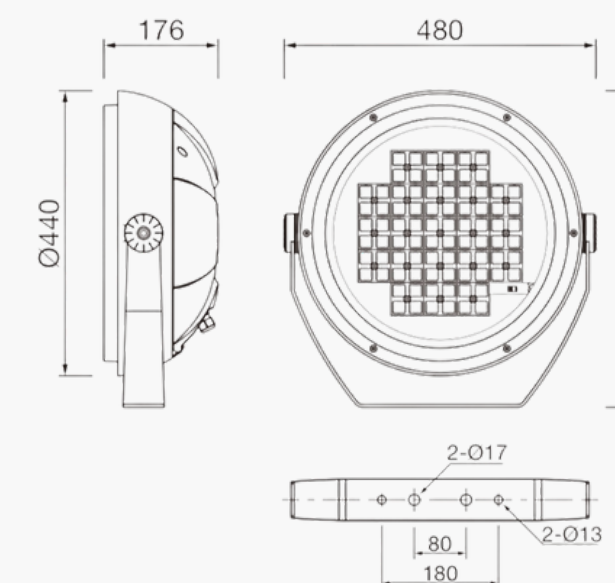|	
N° of LEDs:	48
Current amperage [mA]:	from 940 up to 1214 mA
Colour temperature [K]:	3000K | 4000K | 5000K | 5700K
Luminous flux [lm]:	from 23.467lm up to 30.797lm
Chromatic positioning:	≤ 4-step McAdam ellipse
Lifetime:	≥ 100.000h L90B10
IPEA index:	≥ A3+ (DM 27/09/2017 C.A.M.)

— ELECTRICAL SPECIFICATIONS

Power supply:	220/240V 50/60Hz
Power factor:	> 0,95
Overvoltage protection:	Standard 10 kV (Class II)

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— SOME OF THE AVAILABLE OPTICS

CRC-3   CRC-4   CRC-5   CRC-6   CRC-7   CRC-8   PRF-3

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176   480

Ø440   490

Ø440

2-Ø17
2-Ø13
80
180

Hermes 2

Large areas - Sporting venues

from 300W up to 600W

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design
cooling ability
reliability

up to **100.000 lumen**

*** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.
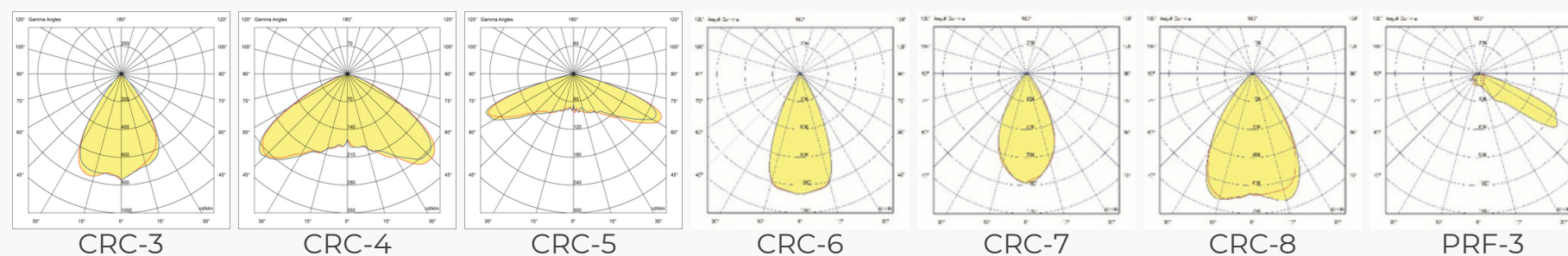
HERMES 2

— TECHNICAL SPECIFICATIONS

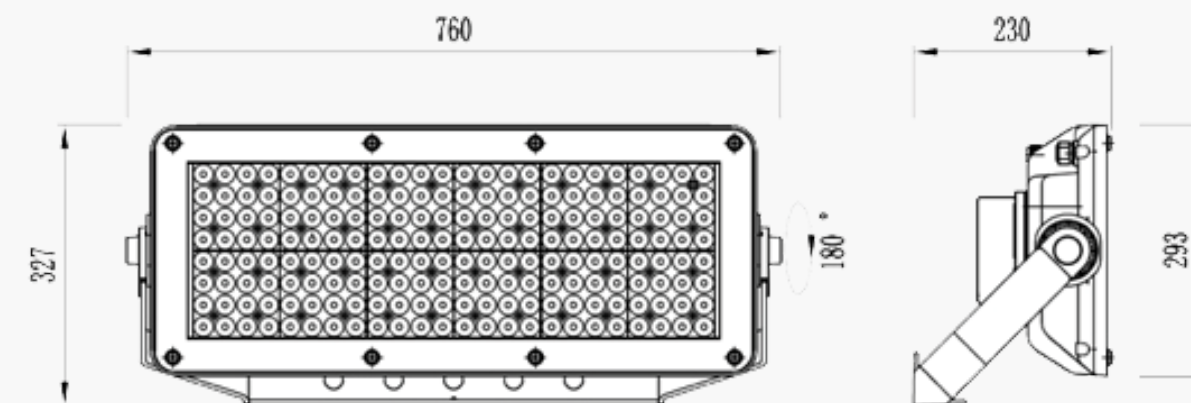|	
N° of LEDs:	192
Current amperage [mA]:	from 498 up to 940 mA
Colour temperature [K]:	4000K | 5000K | 5700K
Luminous flux [lm]:	from 55.500lm up to 100.000lm
Chromatic positioning:	≤ 4-step McAdam ellipse
Lifetime:	≥ 100.000h L90B10
IPEA index:	≥ A3+ (DM 27/09/2017 C.A.M.)

— ELECTRICAL SPECIFICATIONS

Power supply:	220/240V 50/60Hz
Power factor:	> 0,95
Overvoltage protection:	Standard 10 kV (Class II)

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— SOME OF THE OPTICS AVAILABLE

CRC-3   CRC-4   CRC-5   CRC-6   CRC-7   CRC-8   PRF-3

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760   230
327   180   293

Mounting bracket with gradueated scale

Hermes 1

Large areas - Sporting venues

from 800W up to 1.200W

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simple design
more efficiency
power

up to **200.000 lumen**

** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.
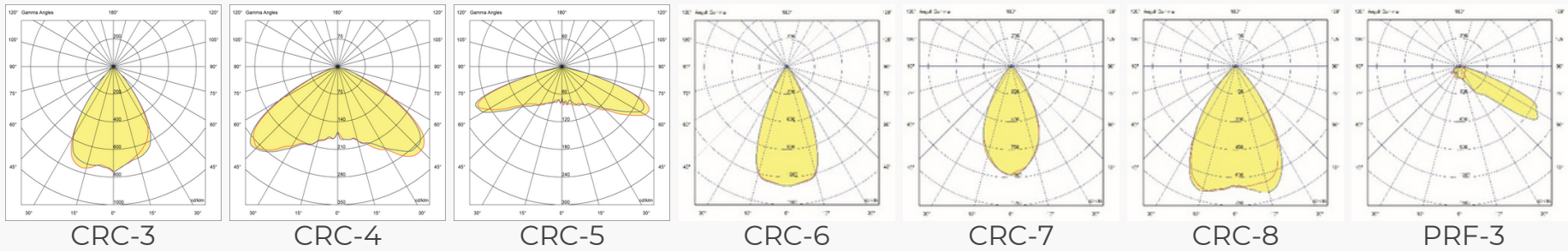
HERMES 1

TECHNICAL SPECIFICATIONS

N° of LEDs:	96
Current amperage [mA]:	from 650 up to 940 mA
Colour temperature [K]:	4000K	5000K	5700K
Luminous flux [lm]:	from 143.000lm up to 200.000lm
Chromatic positioning:	≤ 4-step McAdam ellipse
Lifetime:	≥ 100.000h L90B10
IPEA index:	≥ A3+ (DM 27/09/2017 C.A.M.)

ELECTRICAL SPECIFICATIONS

Power supply:	220/240V 50/60Hz
Power factor:	> 0,95
Overvoltage protection:	Standard 10 kV (Class II)

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SOME OF THE AVAILABLE OPTICS

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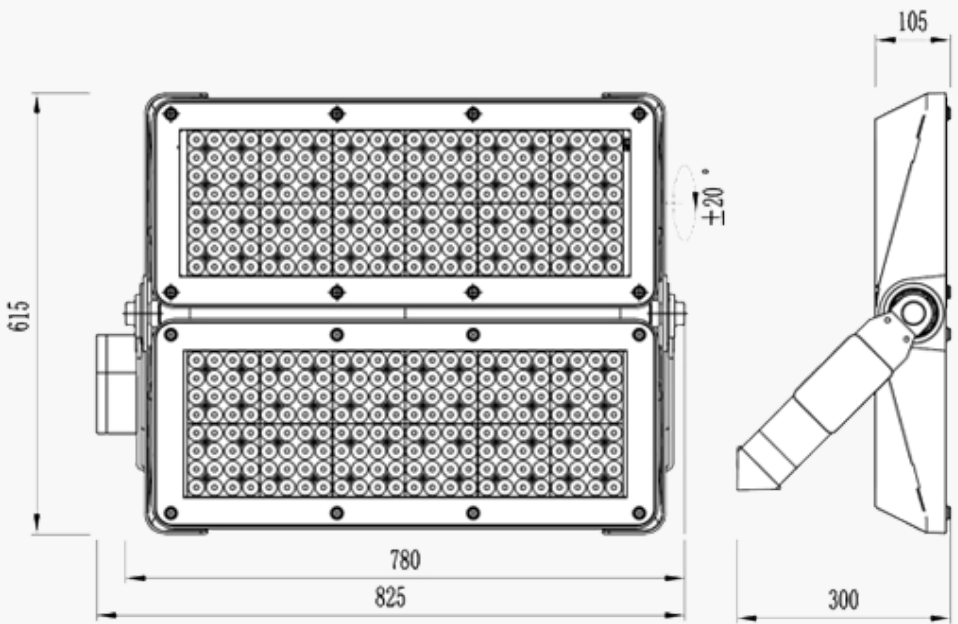
** For more technical informations see product datasheet.
*** Customised options available upon request by e-mail.

IP67 connection box

105
615
780
825
300

Some of our installations

Location: **Rimini tennis club -RN-**
Product: **Hades PR2**

Location: **Francavilla al mare -CH-**
Product: **Hades PR2**

Some of our installations

Location: **Zagarolo -RM-**
Product: **Hermes 2**

Location: **Valtopina sporting centre -PG-**
Product: **Hades PR2**

Some of our installations

Location: **Mercatale di Sassocorvaro -PU-**
Product: **Hermes 2**

Brand Guidelines | 2020-2021

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