LED FLOODLIGHTS

OUTDOOR AND **INDOOR** LED LIGHTING

Televes

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Televes Corporation

FLOODLIGHTS. The ideal range for areas where the light management and addressing accurately is important.

This lighting system offer a perfect eficiency for any types of sports areas and large areas, from stadiums and big areas to small enclosures.

ADVANTAGES

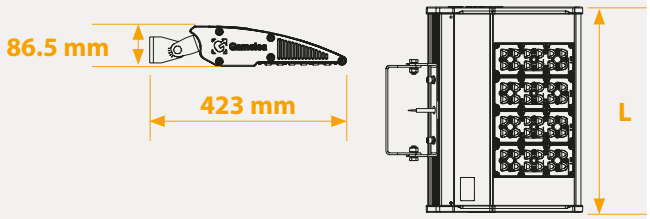
- **WIDE RANGE OF COLOUR TEMPERATURES**
  From ultra warm white to cool white
  - 3,000, 4,000 or 5,000K (On demand 2,200-8,000K).
- **MINIMIZES MAINTENANCE COSTS**
  Long workin life.
- **WIDE RANTE OF OPERATING TEMPERATURES**
  Floodlights: from -20ºC to 40ºC.
  MAXI Floodlights: from -30ºC to 40ºC.
- **MULTIPLE MOUNTING OPTION**
  Can be adapted to multiple anchoring systems and positions. Available accesories
- **QUICK RETURN ON INVESTMENT**
- **LONG WORKING LIFE**
  L80B10 ≥ 100,000h.
- **EASY CONNECTION**
  No need open the luminaire for its installation

CHARACTERISTICS

- **LED** efficiency **up to 190 lumen/W**.
- **IP67**.
- **IK10** protection.
- **Multiple photometric distributions**.
- **6063 T5 aluminium anodized**, to ensure an appropriate system thermal management.
- **Total module efficiency**, taking into account the losses in the drivers **reaches 150 lumen/W**.
- **Class I** electric insulation (MAXI Floodlights).
- **Class II** electric insulation (Floodlights).
- Optionally, lacquered in any colour in the RAL range.
- Power factor **PF>0.95**.
- Equipped with overheating protection

COLORS RAL · CE · RoHS COMPLIANT · IK10 · IP67

FLOODLIGHTS



CRI = 70* - CCT=2,200 / 2,700 / 3,000 / 4,000 / 5,000K - FHS<0.1% - PF>0.95

	No. LEDs	WEIGTH (kg)	L (mm)	OPERATING CURRENT (mA)	TOTAL POWER CONSUMPTION [±8%] (W)	LUMINOUS FLUX (4.000K) (lm)	WORKING LIFE** (h)
FLOODLIGHTS 58W	24	7	340	700	58	8,968	>100,000
FLOODLIGHTS 100W	48	9.4	388	700	100	15,984	>100,000

- Working environment temperature should be in the -20º to 40ºC range.

* On demand : CRI > 80.

** L80 B10 for a working environment temperature of 25ºC.

Estimated working life of the luminaire:

L: Luminous flux maintenance.

B: Probability of luminous flux loss.

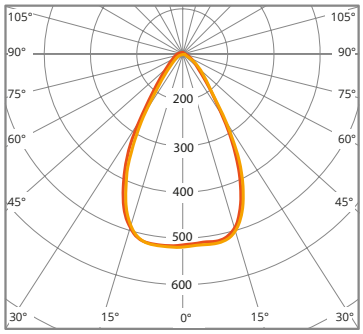
LxBy for a given number of hours and a given ambient temperature, usually 25ºC.

Indicates the time when the flux level of y% of the LED population used for a given type of luminaire is likely to be below x% .

LIGHT DISTRIBUTIONS

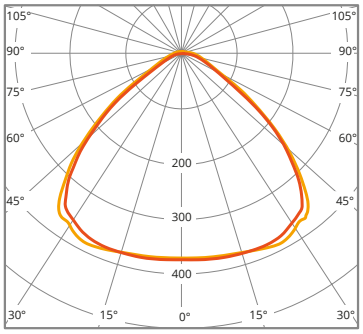
Approximate reference illumination diagrams

Type
Narrow



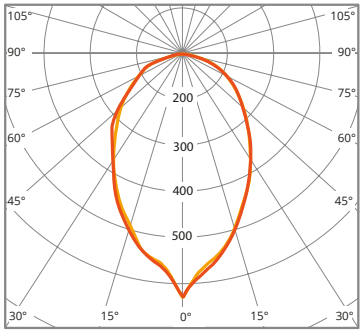
cd/klm C0 - C180 C90 - C270 η = 96%

Type
Wide



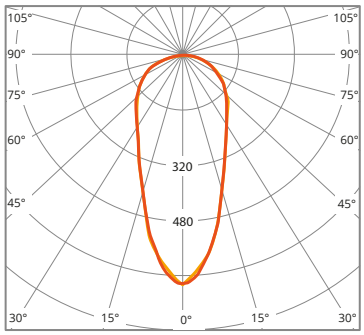
cd/klm C0 - C180 C90 - C270 η = 96%

Type
P3



cd/klm C0 - C180 C90 - C270 η = 92%

Type
P4



cd/klm C0 - C180 C90 - C270 η = 92%

MAXI FLOODLIGHTS

CRI = 70* - CCT=2,200 / 2,700 / 3,000 / 4,000 / 5,000K - FHS<0.1% - PF>0.95

	No. LEDs	WEIGTH (kg)	L (mm)	OPERATING CURRENT (mA)	TOTAL POWER CONSUMPTION [±8%] (W)	LUMINOUS FLUX (4.000K) (lm)	WORKING LIFE** (h)
FLOODLIGHTS 150W	48	6.9	330	500	150	22,500	>100,000
FLOODLIGHTS 196W	72	8.5	405	450	196	29,400	>100,000

- Working environment temperature should be in the -30º to 40ºC range.

* On demand: CRI > 80.

** L70 B10 for a working environment temperature of 25 ºC.

Estimated working life of the luminaire:

L: Luminous flux maintenance

B : Probability of luminous flux loss.

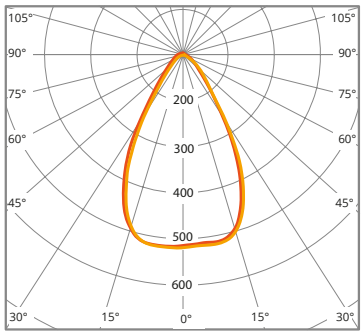
LxBy for a given number of hours and a given ambient temperature, usually 25ºC.

Indicates the time when the flux level of y% of the LED population used for a given type of luminaire is likely to be below x% .

LIGHT DISTRIBUTIONS

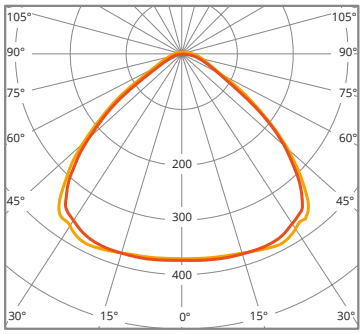
Approximate reference illumination diagrams

Type **Narrow**



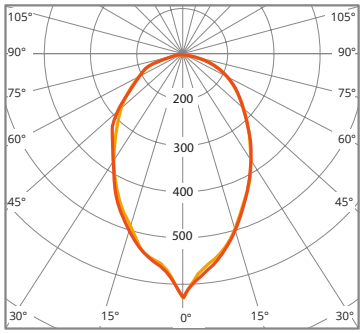
cd/klm C0 - C180 C90 - C270 η = 96%

Type **Wide**



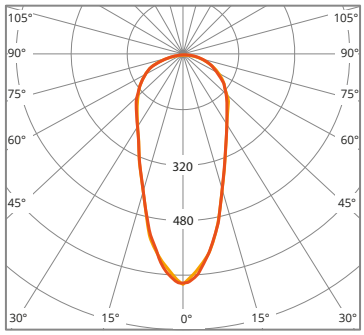
cd/klm C0 - C180 C90 - C270 η = 96%

Type **P3**



cd/klm C0 - C180 C90 - C270 η = 92%

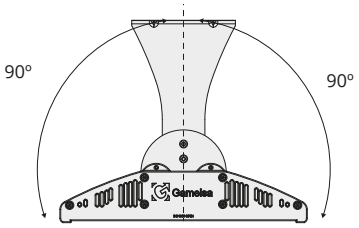
Type **P4**

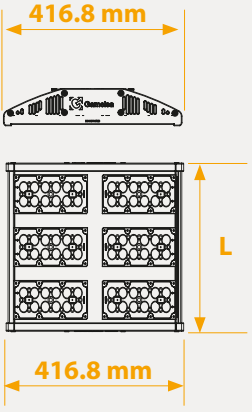


cd/klm C0 - C180 C90 - C270 η = 92%

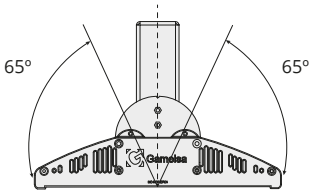
MOUNTING OPTIONS

EMBEDDED SUPPORT

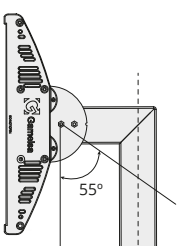




WALL SUPPORT



CROSS SUPPORT

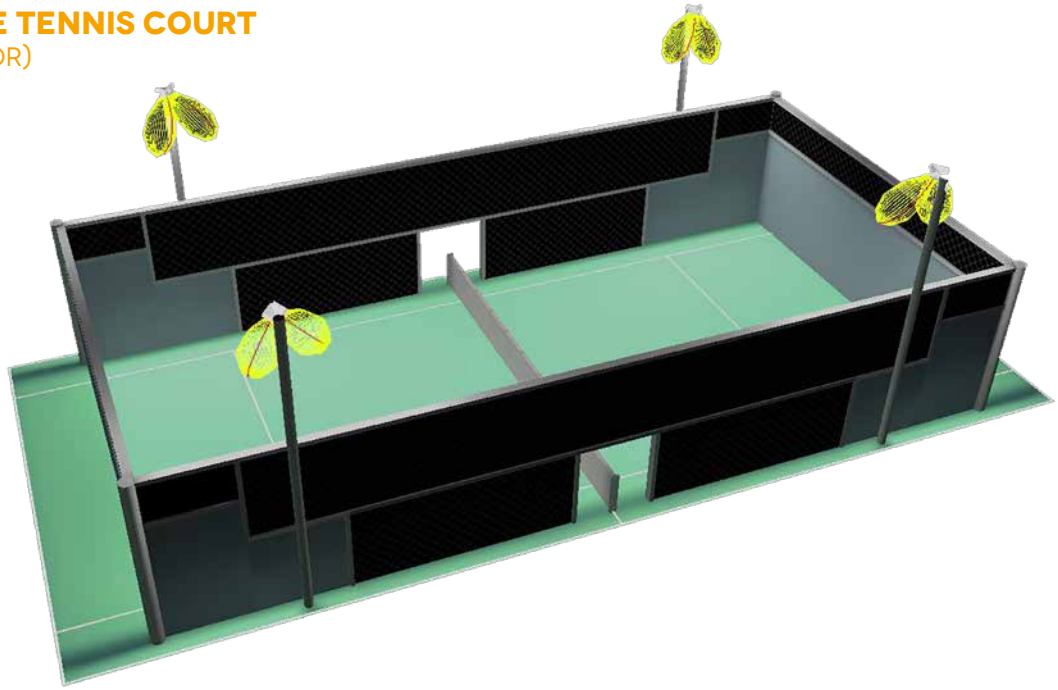


APPLICATION EXAMPLES

The Televes Maxi Floodlights are a large investment in order to optimise sport facilities powerfully.

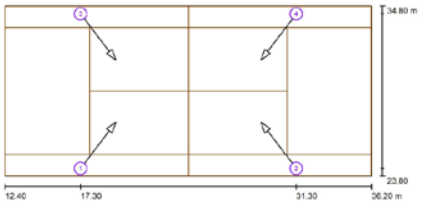
Their high performance and range of lenses allow us to meet the regulatory requirements of this type of installations with the lowest energy consumption.

PADDLE TENNIS COURT
(OUTDOOR)



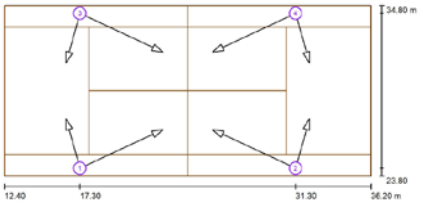
CLASS III

- Local competitions, training, amateur and academic use
- Average efficiency: **200 lux**
- Average uniformity: **0.5**
- No. of floodlights: **4 (200W)**



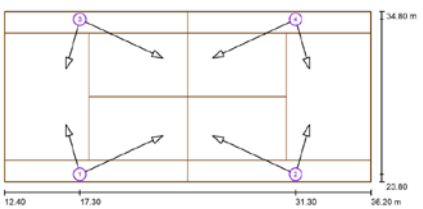
CLASS II

- Regional competitions, high level training
- Average efficiency: **300 lux**
- Average uniformity: **0.7**
- No. of floodlights: **8 (150W)**



CLASS I

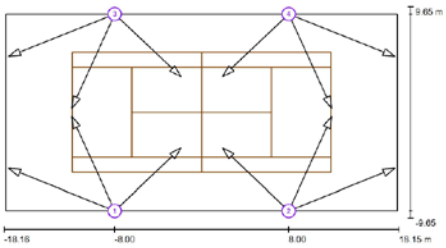
- National and international competitions
- Average efficiency: **500 lux**
- Average uniformity: **0.7**
- No. of floodlights: **8 (200W)**



TENNIS COURT
(OUTDOOR)

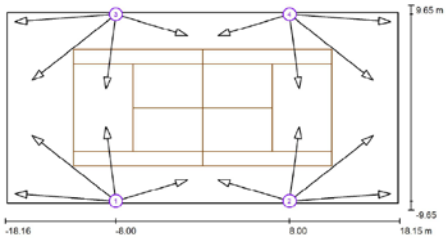
CLASS III

- Local competitions, training, amateur and academic use
- Average efficiency: **200 lux**
- Average uniformity: **0.6**
- No. of floodlights: **12 (200W)**



CLASS II

- Regional competitions, high level training
- Average efficiency: **300 lux**
- Average uniformity: **0.7**
- No. of floodlights: **16 (200W)**



CLASS I

- National and international competitions
- Average efficiency: **500 lux**
- Average uniformity: **0.7**
- No. of floodlights: **28 (200W)**