UK DESIGN CE IK 08 IP66 0-10V DMX DALI

FLORA - Landcaple Aplications:

* Lawn & Tree Projector
* Decorative Frost type
* Compound Tree Projector
* Tree Hold Projector
* Walk Path Lighting
* Plaza Lighting
*Building Washer & Facade Projector

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# FLORA

11W-125W IP66

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## Technical Data

| | |
|---|---|
| Luminaire Type-<br>安裝方式<br>Tipo de luminaria | Surface Mounted and Adjustable Type / Pole Mounted / Spike Mount 180+360° adjustable<br>表面安裝和可調節型/桿式安裝/釘式安裝 / 180 + 360° 可調<br>Montaje en superficie y tipo ajustable / montaje en poste / montaje de punta --180 + 360 ° ajustable |
| Power Consumption with LED Driver<br>LED燈具包括LED驅動電源功率<br>Consumo de energía con controlador de LED | • Diameter: 135mm 11W 15W<br>• Diameter: 160mm 22W 25W 27W 30W<br>• Diameter: 190mm 30W 40W 50W 60W<br>• Diameter: 260mm 60W 70W 80W 90W 100W 110W 120W |
| Input Voltage / 輸入電壓<br>Voltaje de entrada | 100-240VAC/50-60HZ |
| Control Protocol/控制協議/Protocolo de Control | SW -ON/OFF Dali Control 0-10V Control<br>DMX Zigbee Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD < 20% |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE or OSRAM |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature and Color 色溫和顏色<br>Temperatura y color del color | 2700K 3000K 4000K 5000K 6500K RGBW (3000K / 4000K / 5000K) |
| Color Rendering Index-顯色指數<br>Índice de reproducción cromáca | >80 |
| MacAdam Ellipses Binning<br>麥克亞當橢圓分級<br>Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM<br>標準偏差配色< 3 SDCM<br>Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle/光束角/ángulo de haz | Symmetric Angle : 3° 5° 7° 15° 25° 40° 60° 120° 10° x 50° 10° x 35° 20° x 30°<br>Asymmetric Angle : 45° x 150° |
| Luminaire Efficacy 燈具效率<br>La eficacia de la luminaria | 80 Lm/w(2700K) 90 Lm/w(3000K) 100 Lm/w(4000K)<br>100 Lm/w(5000K) 140 Lm/w(6500K) 70 Lm/w (RGBW) |
| LED Source Luminous Efficacy LED光源光效<br>Fuente luminosa LED Eficacia | 120 Lm/w(2700K) 130 Lm/w(3000K) 140 Lm/w(4000K)<br>140 Lm/w(5000K) 140 Lm/w(6500K) 110 Lm/w (RGBW) |
| Housing materials 外殼材料<br>Materiales de la carcasa | Die-Casted Aluminium and Aluminium Alloy and Tempered Glass<br>壓鑄鋁和鋁合金及鋼化玻璃<br>Aluminio fundido a presión y aleación de aluminio y vidrio templado de |
| Housing Color外殼顏色<br>color de la carcasa | Polyester powder coating-matte black (UV and corrosion resistant)<br>聚酯粉末塗料--哑光黑色（抗紫外線和抗腐蝕）<br>Polvos de poliéster Revestimiento--Matte Black- UV Resistant powder coating for Anti-corrosion Protection<br>gris plateado - Recubrimiento en polvo resistente a los rayos UV para protección anticorrosión |
| Ingress Protection-防護等級<br>Protección de ingreso | IP66 |
| Mech impact protection 機械衝擊保護<br>Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍<br>Rango de temperatura de funcion amiento | -30 °C / +50 °C |
| Storage Temperature儲藏溫度<br>Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity -工作濕度<br>Humedad de funcionamiento | 0~90%, non-condensing-不結霜<br>sin condensación |
| Dimension尺寸Dimensión | Refer to Technical Drawing 請參閱技術圖紙Consulte el dibujo técnico |
| Net Weight 淨重 Peso Net | • 2.0kg @ Diameter: 135mm 3.0kg @ Diameter: 160mm<br>• 4.1kg @ Diameter: 190mm 6.0kg @ Diameter: 260mm |
| Certificate Standard Complied<br>符合安規標準<br>estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-5;RoHS<br>LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 |
| Certification-認證-Certificación | UK DESIGN, CE, IK 08, IP66, 0-10V, DMX, DALI |

| Project | Fixture# | Date |
|---|---|---|
| | | Firm |

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# Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: FLORA-100W

FLORA - - 

POWER CONSUMPTION

| POWER CONSUMPTION | |
|---|---|
| Code | Description |
| 11W | 11W @ DIA 135mm |
| 15W | 15W @ DIA 135mm |
| 22W | 22W @ DIA 160mm |
| 25W | 25W @ DIA 160mm |
| 27W | 27W@ DIA 160mm |
| 30W | 30W @ DIA 160mm or @DIA 190mm |
| 40W | 40W@DIA 190mm |
| 50W | 50W@DIA 190mm |
| 60W | 60W@ DIA 190mm or @ DIA 260mm |
| 70W | 70W@ DIA 260mm |
| 80W | 80W@ DIA 260mm |
| 90W | 90W@ DIA 260mm |
| 100W | 100W@ DIA 260mm |
| 110W | 110W@ DIA 260mm |
| 120W | 120W@ DIA 260mm |

# BEAM ANGLE

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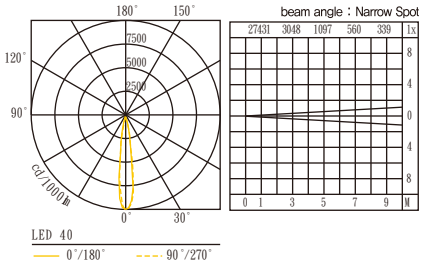


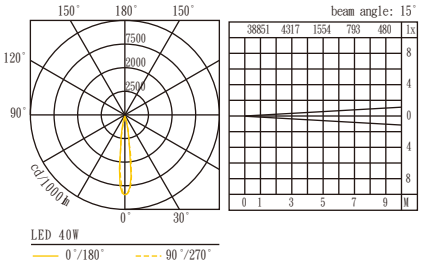


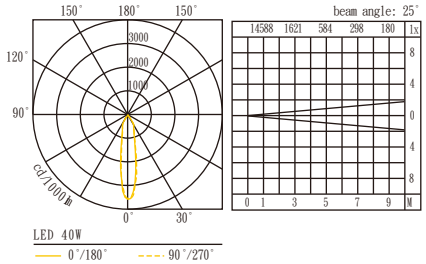


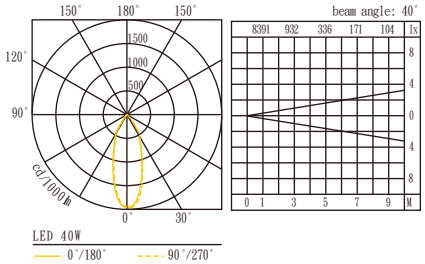


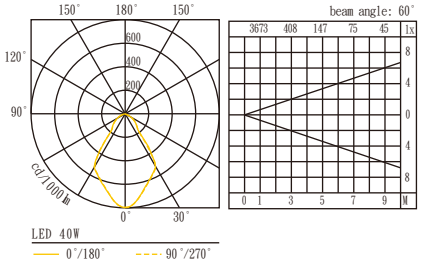


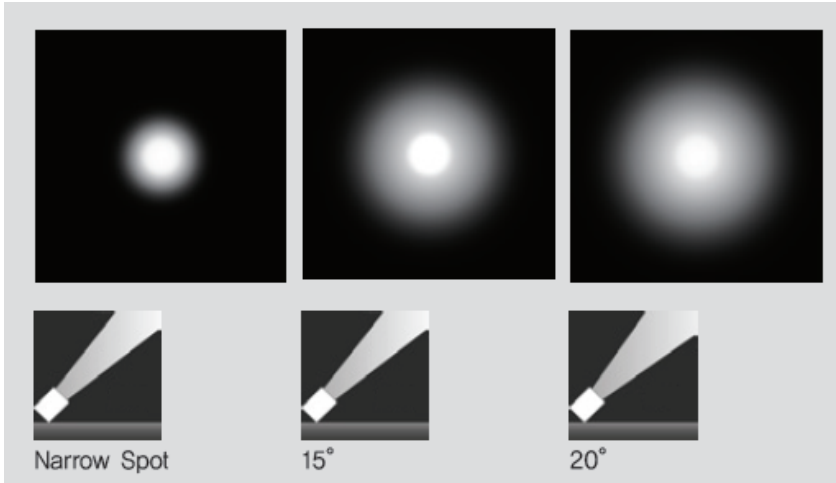


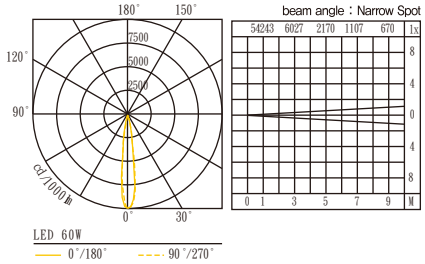


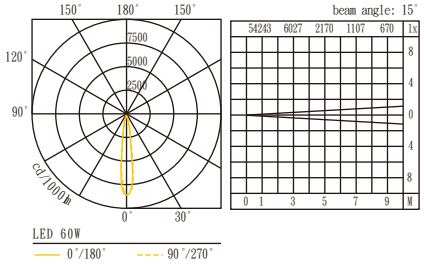


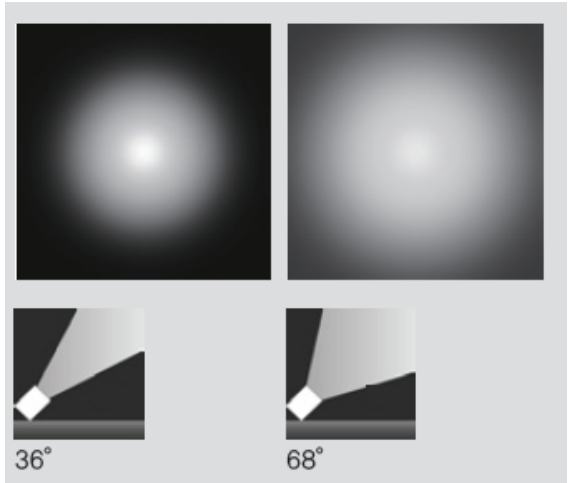


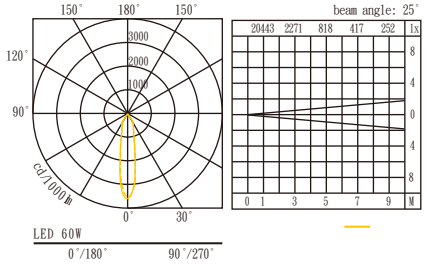


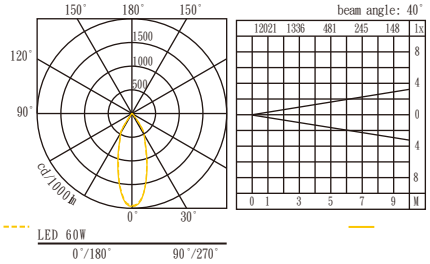


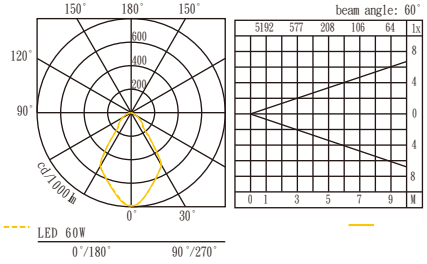

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# Advantages

## 1

Smooth surface

## 2

Treble anti-glare

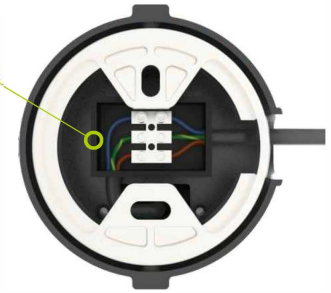
- Anti-glare glass
- Sink light source
- Built-in honeycomb diffuser

## 3

Self-lock design

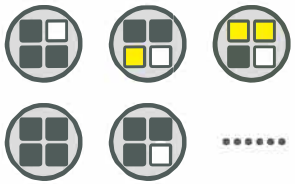
## 4

Hidden junction



## 6

Multi-RGBW method



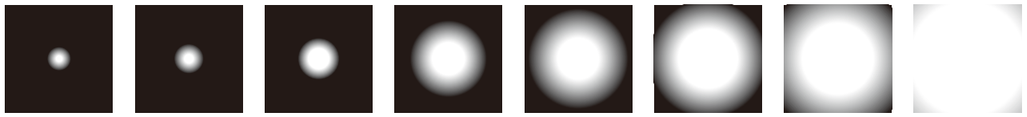
## 5

180+360° adjustable

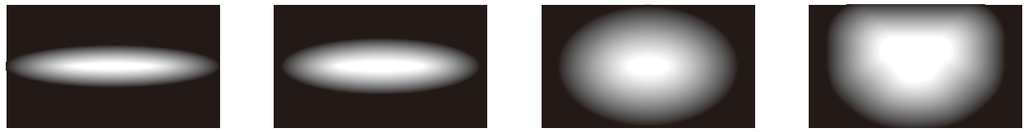
Other Parts
Module for WIFI and CCTV,

## 7

### Lens options



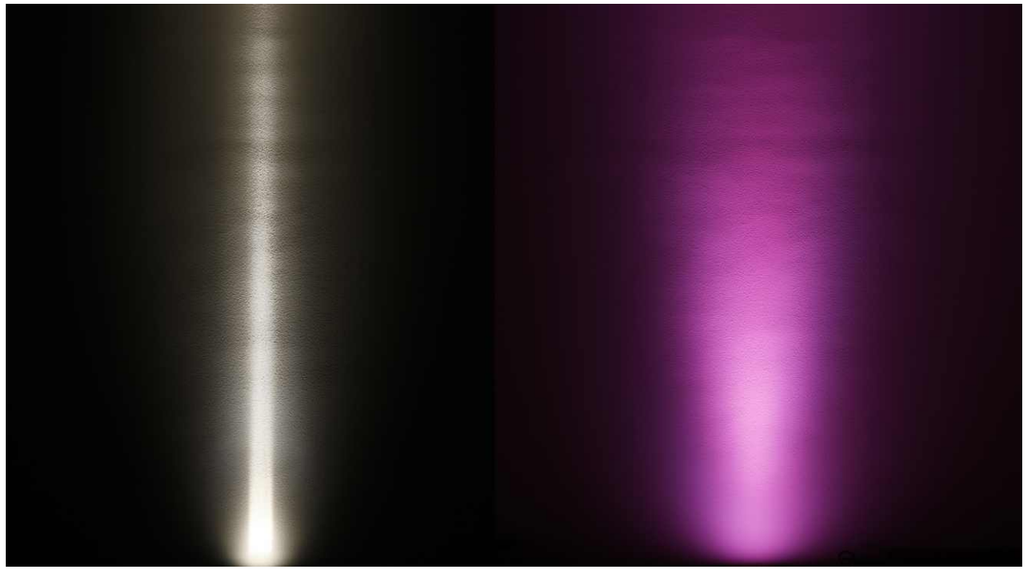
3° 5° 7° 15° 25° 40° 60° 120°



10°×50° 10°×35° 20°×30° 45°×150°

## 8

### uniform mixing



## 9

### Multi-applications, apply to park, palza etc

1. Ground type
2. Half-buried type
3. Lawn & tree projector
4. Building facade lighting
5. Multi-function projector
6. Hold tree projector
7. Walkpath lighting
8. Plaza lighting
9. Building column lighting
10. Building lighting
11. Building flood lighting

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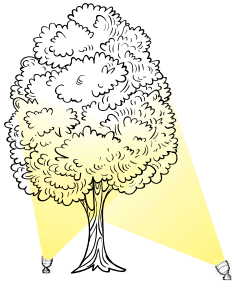
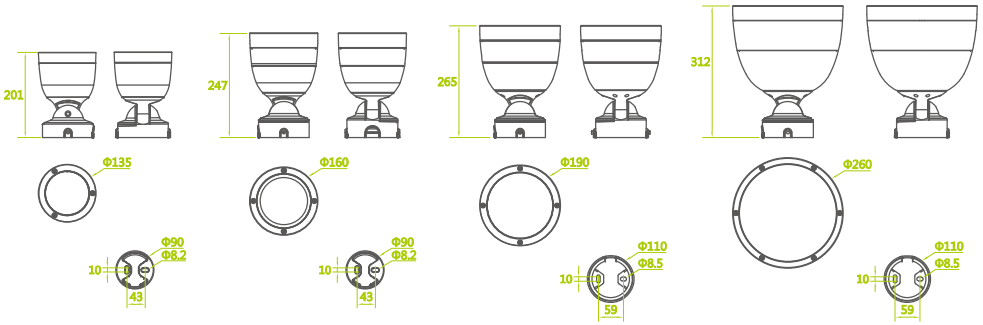
## AP1 Ground type

◎Low position, good stealthiness
◎High strength base
◎Built-in junction
◎Apply to park, garden etc

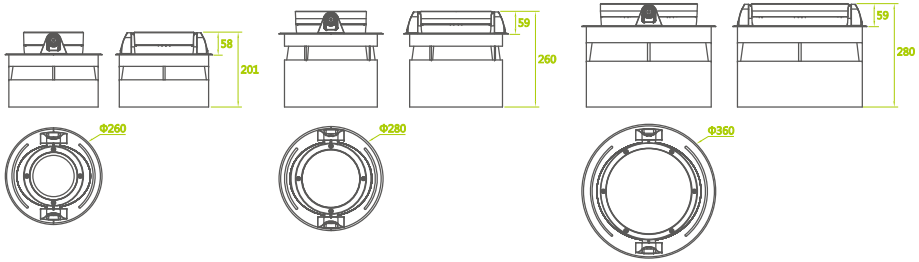





## AP2 Half buried type

◎0-20mm height adjustable
◎Shooting angle lockable
◎SS cover with 5mm tempered galss
◎Apply to park, garden etc

Adjustable height：0mm/10mm/20mm



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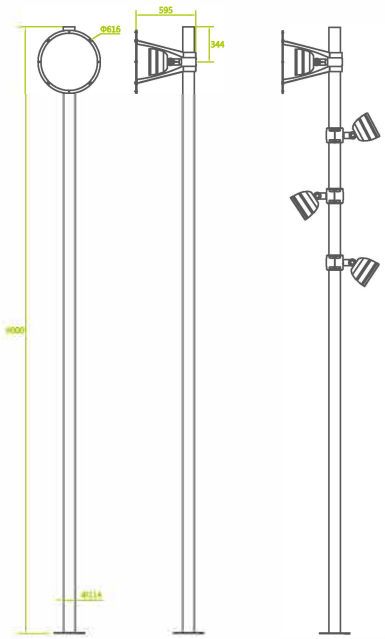
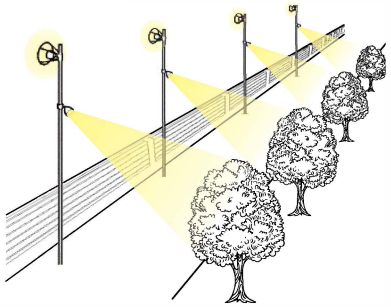
## AP3 Lawn & tree projector

◎Bollard & tree projector together
◎Multi-function illuminate footpath & bush together
◎Pole with laser cut tech, built-in LED light available
◎Telescopic pole design, apply to different tree height

## Ap4 Decorative frost type

◎Multi-function used for decoration and wall path
◎Projection effect available
◎Custom-made pole available
◎Pole holder dia 89/114mm optional





## Other Parts
## Module for WIFI and CCTV,

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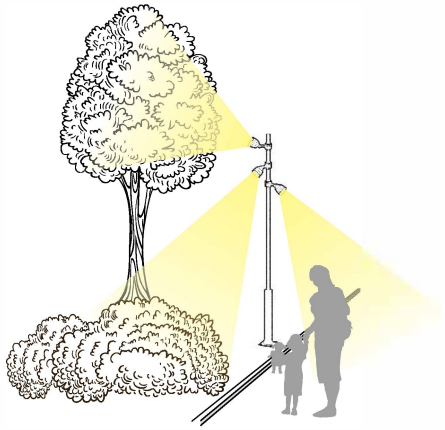
## AP5 Compound tree projector

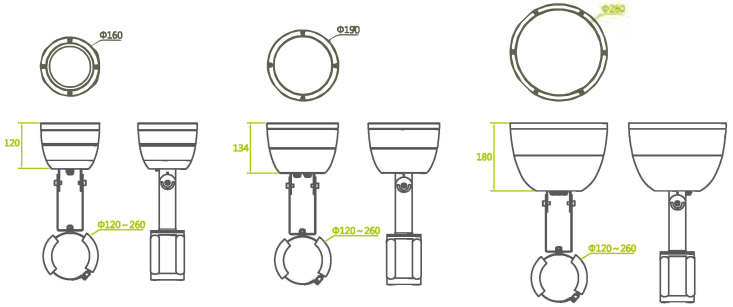
◎Pole install, with optional shooting direction & angle
◎Multi-function illuminate lower and higher trees
◎Custom-made pole available
◎Pole holder dia 89/114mm optional



Other Parts
Module for WIFI and CCTV,

## AP6 Tree hold projector

◎Lamp base with flexible spring, holding tree not hurt tree grow
◎Pull-out diameter changable design
◎Anti-glare diffuser optional
◎Bird's nest available use for hide lamp



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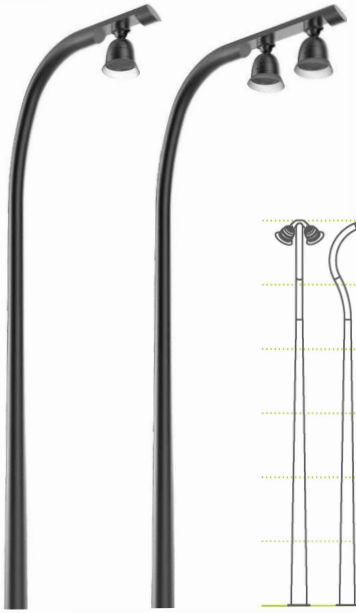
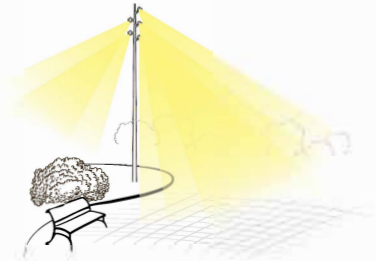
## AP7 Walk path lighting

◎Pole install, with optional shooting direction & angle
◎Frost glass diffuser with gentle light output
◎Apply to garden, walk path, plaza etc

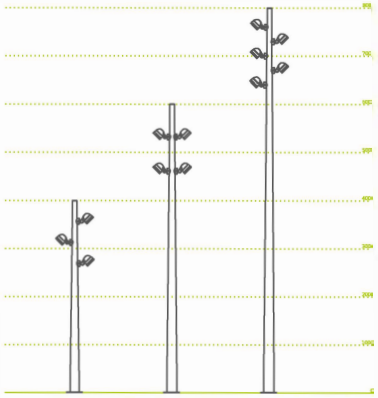


## AP8 Plaza Lighting

◎Multi-direction & multi-angle available
◎Standard with tempered pole, custom made pole available
◎Anti-glare diffuser optional
◎Apply to garden, walk path, plaza etc



## Other Parts
## Module for WIFI and CCTV,



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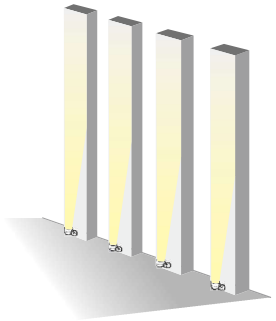
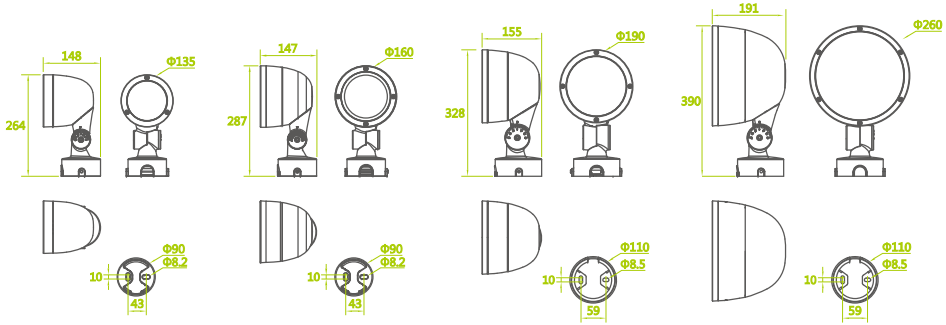
## AP9 Building column projector

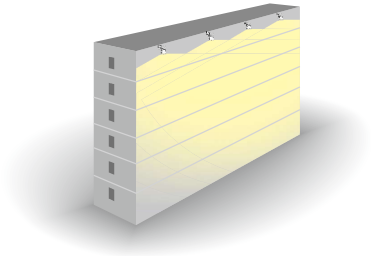
◎Equipped with 3-5°lens with super narrow shoot angle
◎Double joint design, apply to different install method
◎Apply building column lighting

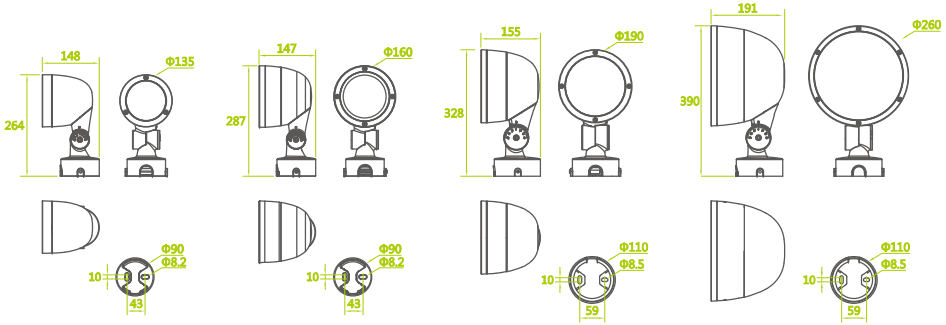





## AP10 Building washer & projector

◎Multi-direction & multi-angle available
◎Multi-joint design, apply to different install method
◎Uniform light output, install install
◎Screws hidddn design





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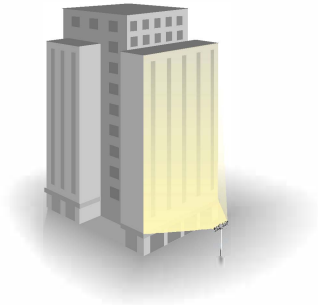
## AP11 Building flood lighting

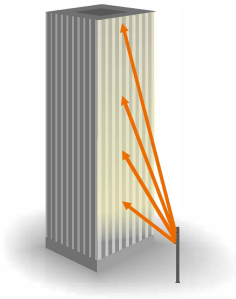
◎Pole install or ground install
◎Multi-angle and multi-direction available
◎Optional diffuser available
◎Apply building flood lighting

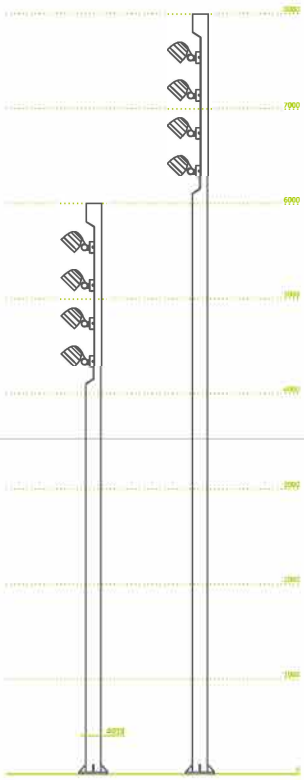


Other Parts
Module for WIFI
and CCTV,

## AP12 Building facade projector

◎Pole install
◎Multi-angle and multi-direction available
◎Optional diffuser available
◎Apply building flood lighting





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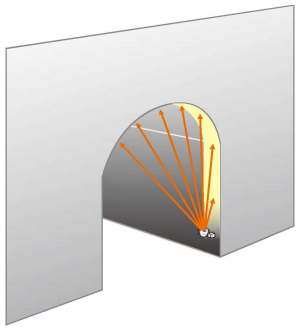
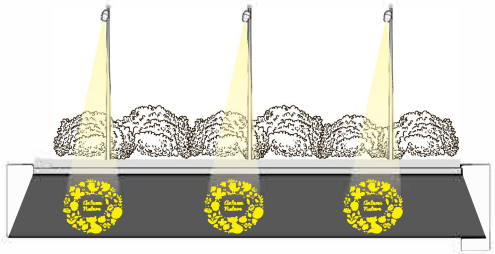
## AP13 Arch lighting

◎Wall install with hidden screws
◎Multi-angle and multi-direction available
◎Optional diffuser available
◎Apply arch or rooftop lighting

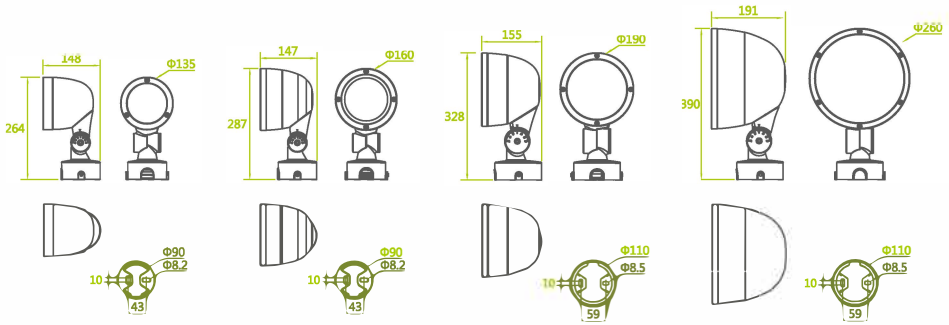


## AP14 Shadow projector

◎Pole install, custom pole available
◎3-6m pole avaialble
◎Optional shadow deisgn



Other Parts
Module for WIFI and CCTV,



DIMON
TECHNOLOGY

## Mounting Bracket : AP1

18W Max | 32W Max | 60W Max | 125W Max

## Mounting Bracket : AP9

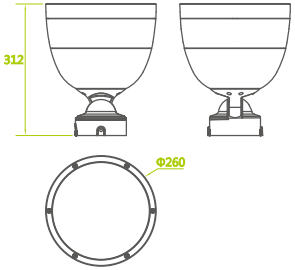
18W Max | 32W Max | 60W Max | 125W Max

# FLORA

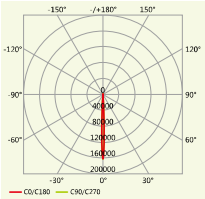
LED Compound Light IP66 IK08 CE

DIMON TECHNOLOGY

- ADC12 low cuprum die-cast aluminum with anti-UV powder coating;
- Multi-anti glare design, efficient control glare;
- Built-in heat sinker, provides smooth surface and slim appearance;
- High strength horseshoe gear with supporter self-locker offers stable body;
- Hidden junction provides nice appearance and more safty;
- IP66 and IK08 protection;
- Optional accessories apply to park, garden, plaza, building facade etc

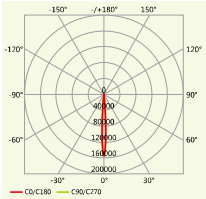


## 30W 3°



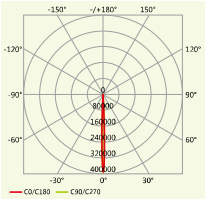

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 4 | 710857 | 15412 | 0.20 |
| 8 | 2714 | 3852 | 0.40 |
| 12 | 1206 | 1712 | 0.60 |
| 16 | 677 | 962 | 0.80 |
| 20 | 433 | 615 | 1.00 |

## 30W 5°



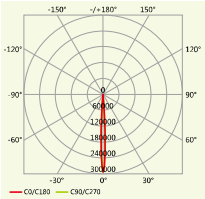

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 4 | 6614 | 9767 | 0.37 |
| 8 | 1653 | 2442 | 0.74 |
| 12 | 734 | 1085 | 1.11 |
| 16 | 413 | 610 | 1.48 |
| 20 | 264 | 390 | 1.85 |

## 60W 3°



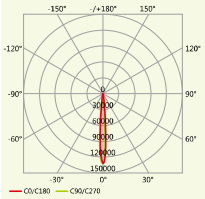

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 4 | 23671 | 33601 | 0.20 |
| 8 | 5917 | 8400 | 0.40 |
| 12 | 2614 | 3733 | 0.60 |
| 16 | 1479 | 2100 | 0.80 |
| 20 | 946 | 1344 | 1.00 |
| | | 1 | |

## 60W 5°



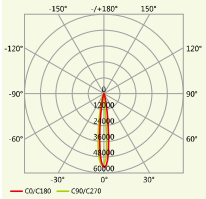

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 4 | 12652 | 18685 | 0.37 |
| 8 | 3163 | 4671 | 0.74 |
| 12 | 1406 | 2076 | 1.11 |
| 16 | 790 | 1168 | 1.48 |
| 20 | 506 | 747 | 1.85 |

## 60W 7°



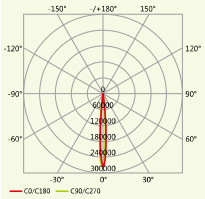

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 22670 | 33850 | 0.31 |
| 4 | 5667 | 8463 | 0.62 |
| 6 | 2519 | 3761 | 0.93 |
| 8 | 1417 | 2116 | 1.24 |
| 10 | 906 | 1354 | 1.56 |

## 60W 15°



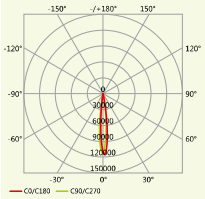

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 9839 | 14388 | 0.48 |
| 4 | 2460 | 3597 | 0.96 |
| 6 | 1093 | 1599 | 1.45 |
| 8 | 614 | 899 | 1.93 |
| 10 | 393 | 575 | 2.42 |

## 120W 7°



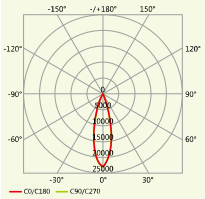

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 46880 | 70001 | 0.31 |
| 4 | 11720 | 17500 | 0.62 |
| 6 | 5209 | 7778 | 0.93 |
| 8 | 2930 | 4375 | 1.24 |
| 10 | 1875 | 2800 | 1.56 |

## 120W 15°



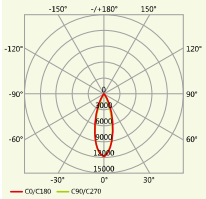

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 19687 | 28790 | 0.48 |
| 4 | 4922 | 7197 | 0.96 |
| 6 | 2187 | 3199 | 1.45 |
| 8 | 1230 | 1799 | 1.93 |
| 10 | 787 | 1152 | 2.42 |

## 60W 25°



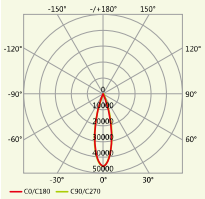

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 3823 | 5755 | 0.95 |
| 4 | 955 | 1439 | 1.9 |
| 6 | 424 | 639 | 2.85 |
| 8 | 239 | 359 | 3.8 |
| 10 | 152 | 230 | 4.75 |

## 60W 40°



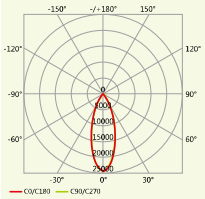

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 1902 | 2957 | 1.23 |
| 4 | 475 | 739 | 2.46 |
| 6 | 211 | 328 | 3.69 |
| 8 | 118 | 184 | 4,93 |
| 10 | 76 | 118 | 6.16 |

## 120W 25°



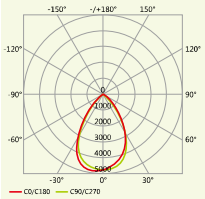

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 7642 | 11502 | 0.95 |
| 4 | 1911 | 2876 | 1.90 |
| 6 | 849 | 1278 | 2.85 |
| 8 | 577 | 718 | 3.80 |
| 10 | 305 | 460 | 4.75 |

## 120W 40°



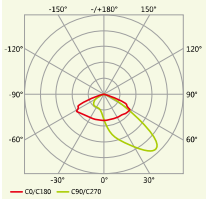

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 3872 | 6021 | 1.23 |
| 4 | 968 | 1505 | 2.46 |
| 6 | 430 | 669 | 3.69 |
| 8 | 242 | 376 | 4.93 |
| 10 | 154 | 240 | 6.16 |

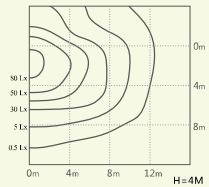
## 60W 60°



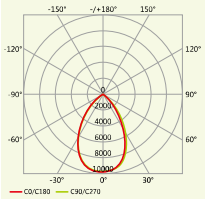

| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 706 | 1213 | 2.52 |
| 4 | 176 | 303 | 5.04 |
| 6 | 78 | 134 | 7.56 |
| 8 | 44 | 75 | 10.08 |
| 10 | 28 | 48 | 12.61 |

## 60W 45*150°



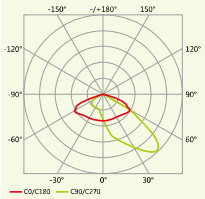



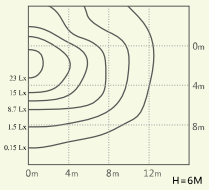

## 120W 60°




| h (m) | Eavg (lx) | Emax(lx) | D(m) |
|---|---|---|---|
| 2 | 1412 | 2426 | 2.52 |
| 4 | 353 | 606 | 5.04 |
| 6 | 146 | 269 | 7.56 |
| 8 | 88 | 151 | 10.08 |
| 10 | 56 | 49 | 12.61 |

## 120W 45*150°



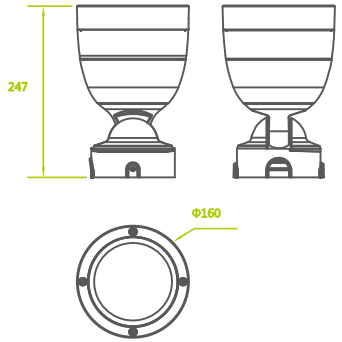



# FLORA

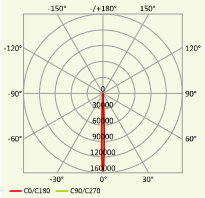
IP66 IK08 CE

DIMON TECHNOLOGY

- ADC12 low cuprum die-cast aluminum with anti-UV powder coating;
- Multi-anti glare design, efficient control glare;
- Built-in heat sinker, provides smooth surface and slim appearance;
- High strength horseshoe gear with supporter self-locker offers stable body;
- Hidden junction provides nice appearance and more safty;
- IP66 and IK08 protection;
- Optional accessories apply to park, garden, plaza, building facade etc

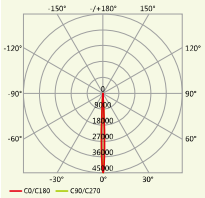



## 11W 3°



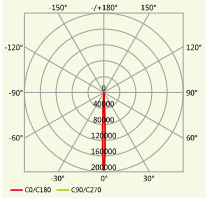

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 4 | 4549 | 6458 | 0.20 |
| 8 | 1136 | 1613 | 0.40 |
| 12 | 505 | 717 | 0.60 |
| 16 | 284 | 403 | 0.80 |
| 20 | 180 | 257 | 1.00 |

## 11W 5°



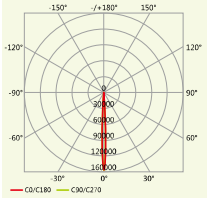

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 4 | 1907 | 2816 | 0.37 |
| 8 | 477 | 704 | 0.74 |
| 12 | 211 | 312 | 1.11 |
| 16 | 119 | 176 | 1.48 |
| 20 | 76 | 112 | 1.85 |

## 22W 3°



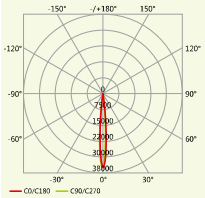

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 4 | 8647 | 12275 | 0.20 |
| 8 | 2160 | 3068 | 0.40 |
| 12 | 959 | 1362 | 0.60 |
| 16 | 539 | 765 | 0.80 |
| 20 | 345 | 765 | 1.00 |

## 22W 5°



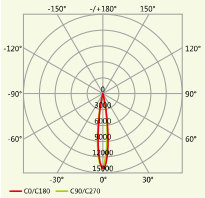

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 4 | 4378 | 36464 | 0.37 |
| 8 | 1093 | 1617 | 0.74 |
| 12 | 486 | 717 | 1.11 |
| 16 | 273 | 402 | 1.48 |
| 20 | 185 | 255 | 1.85 |

## 15W 7°



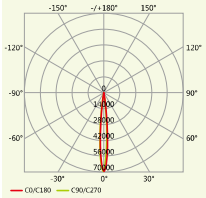

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 4 | 5802 | 8585 | 0.31 |
| 8 | 1437 | 2146 | 0.62 |
| 12 | 638 | 953 | 0.93 |
| 16 | 358 | 536 | 1.24 |
| 20 | 229 | 343 | 1.56 |

## 15W 15°



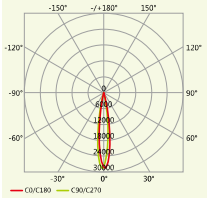

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 2 | 2394 | 3502 | 0.48 |
| 4 | 598 | 875 | 0.96 |
| 6 | 266 | 388 | 1.45 |
| 8 | 149 | 218 | 1.93 |
| 10 | 95 | 139 | 2.42 |

## 30W 7°



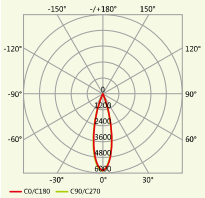

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 2 | 11724 | 17506 | 0.31 |
| 4 | 2931 | 4377 | 0.62 |
| 6 | 1303 | 1945 | 0.93 |
| 8 | 732 | 1094 | 1.24 |
| 10 | 469 | 700 | 1.56 |

## 30W 15°



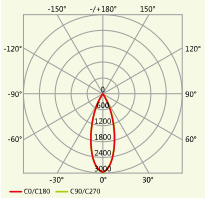

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 2 | 4923 | 7199 | 0.48 |
| 4 | 1231 | 1800 | 0.96 |
| 6 | 547 | 799 | 1.45 |
| 8 | 307 | 449 | 1.93 |
| 10 | 196 | 287 | 2.42 |

## 15W 25°



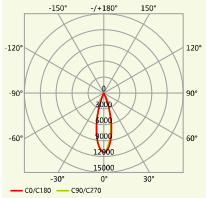

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 2 | 938 | 1412 | 0.95 |
| 4 | 234 | 352 | 1.90 |
| 6 | 103 | 156 | 2.85 |
| 8 | 58 | 88 | 3.80 |
| 10 | 37 | 55 | 4.75 |

## 15W 40°



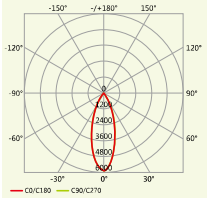

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 2 | 467 | 728 | 1.23 |
| 4 | 116 | 182 | 2.46 |
| 6 | 51 | 81 | 3.69 |
| 8 | 28 | 45 | 4.93 |
| 10 | 18 | 29 | 6.16 |

## 30W 25°



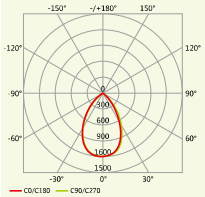

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 2 | 1912 | 2878 | 0.95 |
| 4 | 478 | 719 | 1.90 |
| 6 | 212 | 319 | 2.80 |
| 8 | 119 | 179 | 3.80 |
| 10 | 76 | 115 | 4.75 |

## 30W 40°



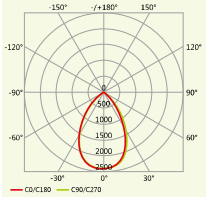

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 2 | 959 | 1492 | 1.23 |
| 4 | 239 | 373 | 2.46 |
| 6 | 106 | 165 | 3.69 |
| 8 | 59 | 93 | 4.93 |
| 10 | 38 | 59 | 6.16 |

## 15W 60°




| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 2 | 172 | 297 | 2.52 |
| 4 | 43 | 74 | 5.04 |
| 6 | 19 | 32 | 7.56 |
| 8 | 10 | 18 | 1.00 |
| 10 | 6 | 11 | 1.26 |

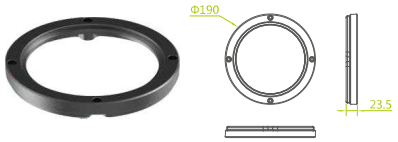
## 30W 60°



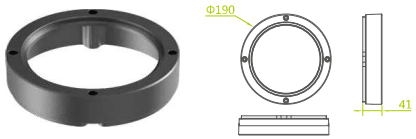

| h (m) | Eavg (lx) | Emax (lx) | D (m) |
|---|---|---|---|
| 2 | 353 | 607 | 2.52 |
| 4 | 88 | 151 | 5.04 |
| 6 | 39 | 67 | 7.56 |
| 8 | 22 | 37 | 1.00 |
| 10 | 14 | 24 | 12.61 |

DIMON TECHNOLOGY

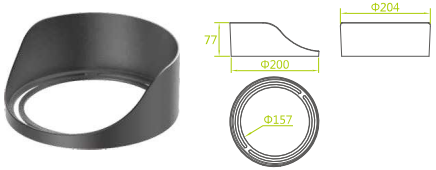
## FLORA-DIA-190mm



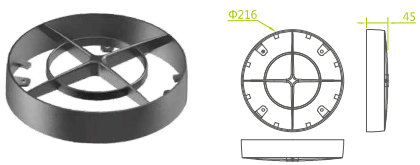

Standard Cover




High cover(anti-glare)

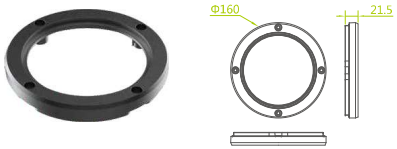



Rotatable diffuser

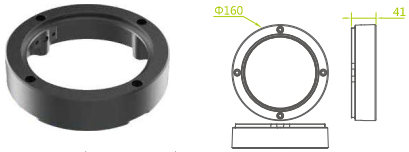



Star exterior anti-glare shield

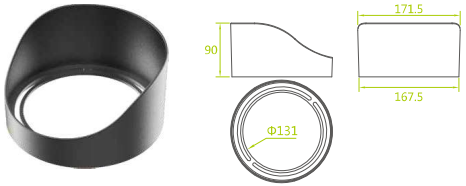
## FLORA-DIA-160mm



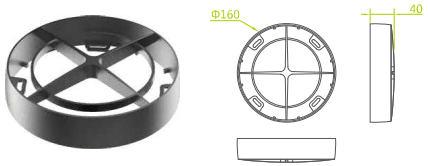

Standard Cover




High cover(anti-glare)

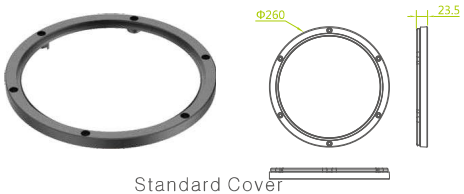



Rotatable diffuser

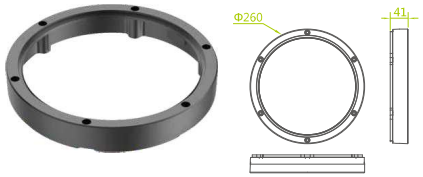



Star exterior anti-glare shield

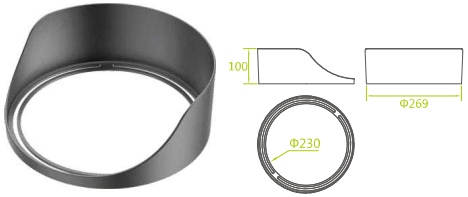
## FLORA-DIA-260mm



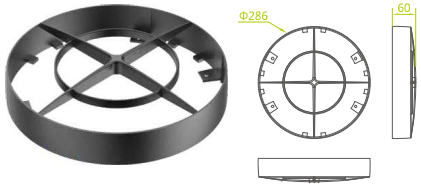

Standard Cover




High cover(anti-glare)

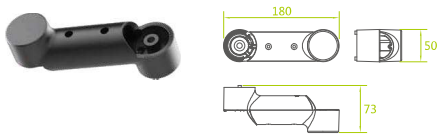



Rotatable diffuser



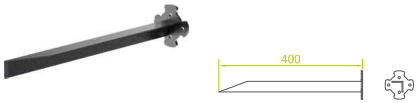

Star exterior anti-glare shield

## DIA160 or DIA135mm

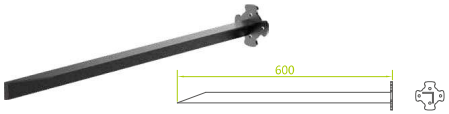



Extension supporter

## AP1




Spike 400mm

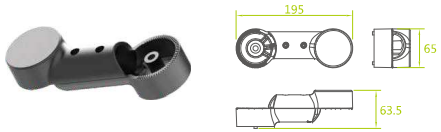



Spike 600mm

## AP3

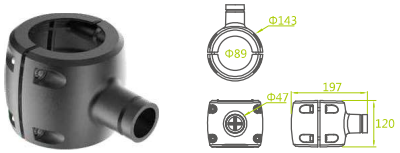
Bollard Pole 460 Telescope Pole 460-700

## DIA 190 or DIA 260mm

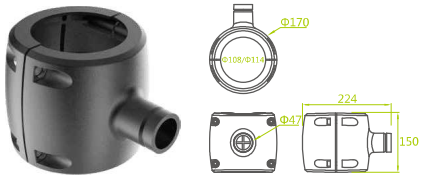



Extension supporter

## AP5




89 Holder




108 Holder 114 Holder

## Mounting Bracket Selection

| | AP1 | AP2 | AP3 | AP4 | AP5 | AP6 | AP7 | AP8 | AP9 | AP10 | AP11 | AP12 | AP13 | AP14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DIA 190mm | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | × |
| DIA 160mm | ● | ● | ● | × | ● | ● | × | × | ● | ● | ● | × | ● | × |
| DIA 260mm | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| DIA 135mm | ● | × | ● | × | × | × | × | × | ● | ● | ● | ● | ● | × |