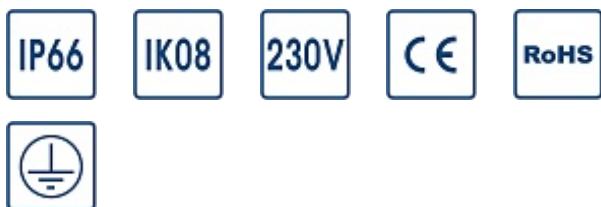


# DKF 291 ODIN gen2

**TAKTON**



## Benefits:

- Entry level LED luminaire with lowest initial capital investment
- Slim aesthetic design
- Essential reducing energy consumption with Philips driver
- Reliable quality
- Energy efficiency up to 150 lm/W
- Asymmetrical and symmetrical optics



| TYPE                  | <b>Product type:</b><br>DKF 291                                                       |
|-----------------------|---------------------------------------------------------------------------------------|
| ELECTRICAL PARAMETERS | <b>Driver failure ratio:</b><br>< 10% at 100 000 hours                                |
|                       | <b>Driver type:</b><br>Built in PHILIPS Xitanium Outdoor driver                       |
|                       | <b>Electrical isolation class IEC:</b><br>Safety class I as a standard, II on request |
|                       | <b>Input Frequency:</b><br>50-60 Hz                                                   |
|                       | <b>LED current ripple %:</b><br>< (4-30) depends on type                              |
|                       | <b>Mains voltage index:</b><br>220-240 V / 50-60 Hz                                   |
|                       | <b>Nominal input voltage range:</b><br>202...254 or 198...264, depends on type        |
|                       | <b>Power factor nominal:</b><br>up to 0.98                                            |
|                       | <b>Standard Power range:</b><br>18-35W depending on type                              |
|                       | <b>Surge protection:</b><br>4/6 kV                                                    |

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## LIGHTING PERFORMANCE

### **CCT:**

1800K, 2800K, 3000K, 4000K, 5700K

### **Color rendering index, CRI:**

70, CRI 80 on request

### **Initial color shift, SDCM:**

< 5

### **Light distribution:**

Asymmetric for areas ASWD,  
Symmetric RS48, RS33D, 20D

### **Light source:**

Modules with OSRAM LED chips

### **LOR:**

up to 0,86

### **Luminaire lumen output range, lm:**

2500–5500 lm depending on type

### **Photobiological safety:**

RG1

### **Type of optic:**

Low ageing PMMA lenses

## CONSTRUCTION AND MATERIALS

### **Dimensions LxWxH:**

335x250x59,7 mm

### **Effective protected area:**

At horizontal position 0.052

### **Housing colour:**

Grey

### **Housing material:**

Housing: high-pressure, die-cast  
aluminium powder coated, no plastic  
parts

### **Impact resistance:**

IK08

### **Ingress protection:**

IP66

### **Installation options:**

U-shape mounting bracket fixed with  
standard bolts and nuts. No need  
open for electrical connection

### **Optical cover:**

Extra clear toughened flat glass

### **Windage area:**

no more 0,083sq.m above/below  
and 0,02sq.m side position

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## OPERATION AND MAINTENANCE

### Electrical connection:

0.4m cable as standard

### Maintenance:

Opening with screw, LED modules are non-replaceable and can be replaced by manufacturer only, no internal cleaning required

### Maintenance of lumen output:

100 000 hours – L90B10

### Application:

- Billboards/advertising lighting
- Landscape features
- Security and amenity lighting
- General lighting

## MARKING AND APPROVALS

### CE mark:

CE marked

### ROHS mark:

ROHS compliant

## PRODUCT FAMILY RANGE

| Code         | Name                              | Light output Lm | Power consumption,W | Weight,kg |
|--------------|-----------------------------------|-----------------|---------------------|-----------|
| 600151431412 | DKF291 2300Lm 18W 740 I AST4 IC0  | 2300            | 18                  | 3,4       |
| 600151431430 | DKF291 2300Lm 18W 740 I ASWD IC0  | 2500            | 18                  | 3,4       |
| 600151431104 | DKF291 2500Lm 18W 740 I RS20D IC0 | 2500            | 18                  | 3,4       |
| 600151431105 | DKF291 2500Lm 18W 740 I RS33 IC0  | 2500            | 18                  | 3,4       |
| 600151431106 | DKF291 2500Lm 18W 740 I RS48 IC0  | 2500            | 18                  | 3,4       |
| 600151431431 | DKF291 4600Lm 35W 740 I AST4 IC0  | 4600            | 35                  | 3,4       |
| 600151431301 | DKF291 4600Lm 35W 740 I ASWD IC0  | 5000            | 35                  | 3,4       |
| 600151431302 | DKF291 5000Lm 35W 740 I RS20D IC0 | 5000            | 35                  | 3,4       |
| 600151431110 | DKF291 5000Lm 35W 740 I RS33 IC0  | 5000            | 35                  | 3,4       |
| 600151431045 | DKF291 5000Lm 35W 740 I RS48 IC0  | 5000            | 35                  | 3,4       |