

# BERGEN

# TAKTON



## Benefits:

- Modern design lets to be a part of city beautification in a daytime
- Wide range of possible light distributions allows to solve many tasks in city illumination
- Ready for connection with lighting control applications with Zhaga or Nemo sockets
- Easy installation with pre-installed cable

TYPE	<b>Product type:</b> DPS 455
ELECTRICAL PARAMETERS	<b>Driver efficiency nominal:</b> up to 0.92 <b>Driver failure ratio:</b> < 10% at 50000 or 100000 hours depends on type <b>Driver type:</b> Built in PHILIPS Xitanium Outdoor driver <b>Electrical isolation class IEC:</b> Safety class I as a standard, II on request <b>Input Frequency:</b> 50-60 Hz <b>LED current ripple %:</b> < (4-30) depends on type <b>Mains voltage index:</b> 230 – 240 V / 50 – 60 Hz <b>Nominal input voltage range:</b> 202..254 or 198...264, depends on type <b>Power factor nominal:</b> up to 0.98 <b>Power range:</b> 32 – 80 W depending on type <b>Surge protection:</b> 4/6 kV

## LIGHTING PERFORMANCE

**CCT:**

3000K, 4000K, 5700K

**Color rendering index, CRI:**

> 70

**Initial color shift, SDCM:**

< 5

**Light distribution:**

Wide beam as standard. AS,NB optics on request

**Light source:**

Modules with OSRAM long life ceramic package LED chips with silicone lens diodes

**LOR:**

up to 0,89

**Luminaire lumen output range, lm:**

4200 – 6300 lm depending on type

**Photobiological safety:**

RG1

**Type of optic:**

Low ageing PMMA lenses

## CONSTRUCTION AND MATERIALS

**Dimensions LxWxH:**

481x469

**Housing colour:**

DARK GREY RAL 7015

**Housing material:**

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

**Impact resistance:**

IK09

**Ingress protection:**

IP66

**Installation options:**

Post top installation 40-60mm

**Optical cover:**

Extra clear toughened flat glass

**Windage area:**

no more 0,18sq.m above/below and 0,025sq.m side position

## OPERATION AND MAINTENANCE

**Electrical connection:**

0.4m cable with IP66 connector as standard

**Maintenance:**

Opening with screw, Opening with screw, LED modules are non-replaceable and can be replaced by manufacturer only

**Maintenance of lumen output:**

100000 hours – L90B10

**Operating temperature range:**

-40...+35 C, typical for exact values

**Application:**

- Parks
- Squares
- Boulevards
- Embankments
- Recreation areas
- Residential roads and paths
- Pedestrian crossroad

## MARKING AND APPROVALS

**CE mark:**

CE marked

**ROHS mark:**

ROHS complaint

## PRODUCT FAMILY RANGE

Code	Type	Power consumption W	Initial luminous flux lm	Color, K	Weight kg	IP	IK
600151532201	DPS455 LED102 80W PC I 740 40-60	80	10200	4000	13	66	09
600151532202	DPS455 LED090 70W PC I 740 40-60	70	9000	4000	13	66	09
600151532203	DPS455 LED055 42W PC I 740 40-60	42	5500	4000	13	66	09
600151532204	DPS455 LED040 32W PC I 740 40-60	32	4000	4000	13	66	09