

OUTDOOR.

The selection of outdoor lighting fixtures available can help with any outdoor commercial lighting task. Proven components ensure lighting results with the lowest energy consumption. Our luminaires are reliable and easy to install.



TAKTON

OUTDOOR LUMINAIRES

TECHNICAL INFORMATION

DESIGNATION CHEME

DKS850	1110LM	80W	A	740	NB2	40-60	ICO
Series name	Lunimaus flex	Input power	Housing size	Installed cable	Pole diameter	Type of optics	Photometric code

ADDITIONAL DESIGNATIONS:

DD – night dimming
NEMA – NEMA socket installed
CLO – CLO programmed
SR – Sensor ready driver
SP10 – surge protector 10kV
DALI – DALI managing system
ZH – Zhaga socket installed
MS – motion sensor installed

CONSTRUCTION AND MATERIALS

HOUSING

Die-cast powder coated aluminium housing with toughened extra clear flat glass IP66 and IK08-IK09, place for Zhaga/Nema socket. Universal bracket for post-top and side entry installation on diameter 40-60 or 76mm with tilt regulation -5-10+5+10+15dgr

LIGHT SOURCE

ZHAGA standard LED modules with individual LEDIL PMMA lenses,
Modules with OSRAM LED chips
High Power LED platform 4000K / CRI >70 for standard versions,
1700/3000/5000/5700K on request

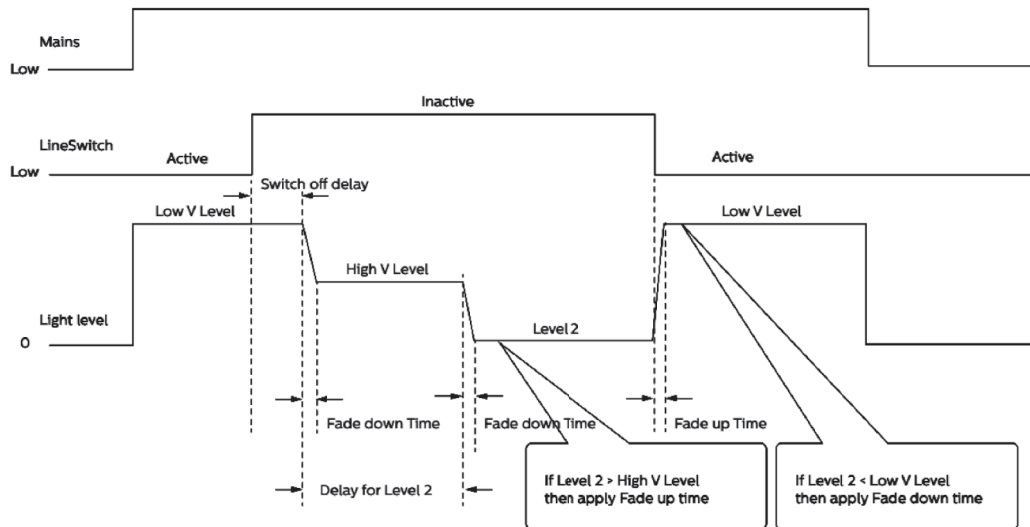
DRIVER

PHILIPS Xitanium Outdoor Fixed Current driver for standard versions
DALI/Dynadimmer/CLO/1-10V on request
6kV overvoltage protection for standard versions, up to 10 kV on request

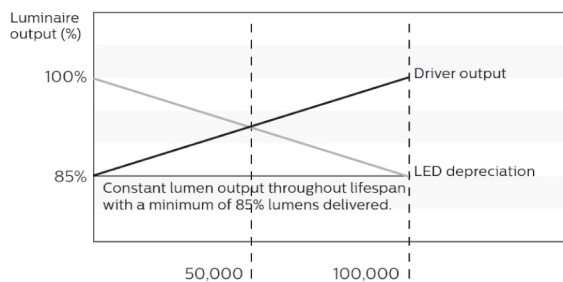
OUTDOOR LUMINAIRES

PROGRAMMABLE OPTIONS

SINGLE WIRE SWITCHING – “LINE SWITCH”

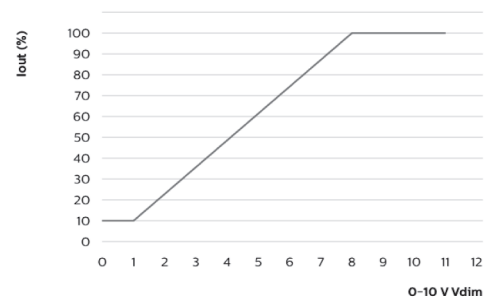


CONSTANT LIGHT OUTPUT – “CLO”

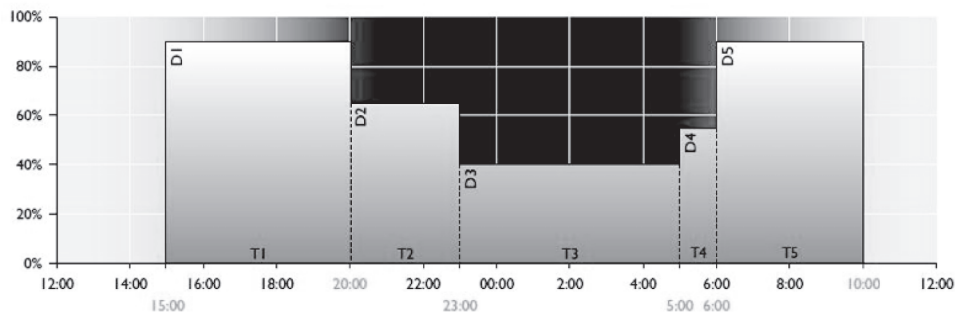


0-10V DIMMING

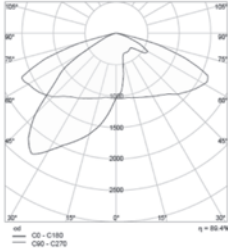
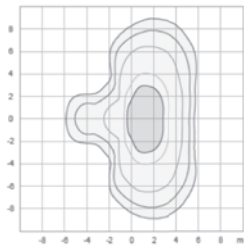
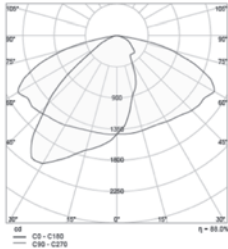
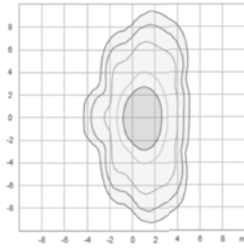
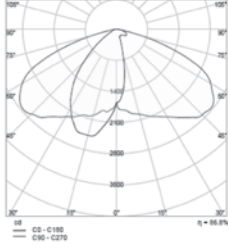
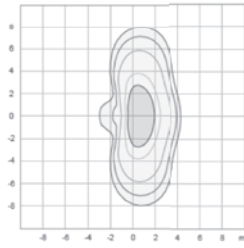
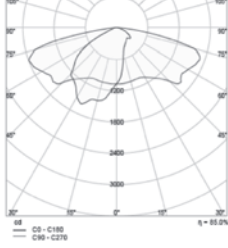
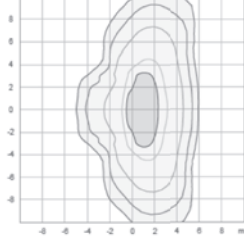
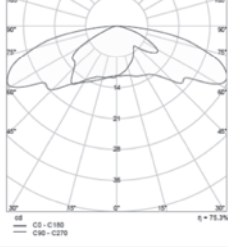
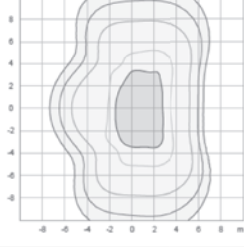
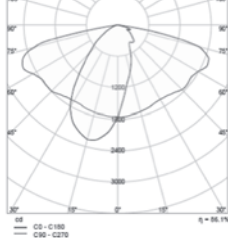
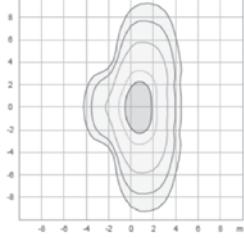
Output Current versus Voltage



AUTO DIMMING – “DYNADIMMER”



OUTDOOR HIGHPOWER-OPTICS

Optic Name	Application	Polar light distribution diagram	Iso-illuminance Diagram (Iso-lux)
NB1	Asymmetric for M and P class wide roads that are equal to or wider than the mounting height, medium pole distances. Highly efficient		
NB2	Asymmetric for M-class roads (luminance) that are equal to or wider than the mounting height, medium pole distances		
NB3	Asymmetric for M-class narrow roads where width is less than the mounting height, medium pole distances		
WB1	Asymmetric for M and P class roads that are equal to or less than the mounting height, long pole distances		
WB2	Asymmetric Ideal for security lighting and video surveillance		
LN1	Asymmetric for M class roads where road width is less than the pole height, fulfils EN13201-2:2015 requirements		

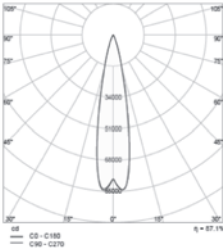
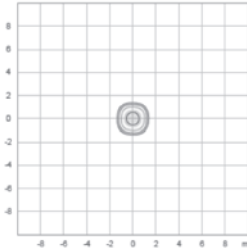
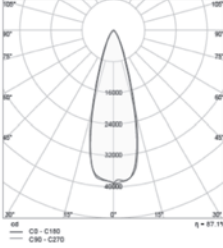
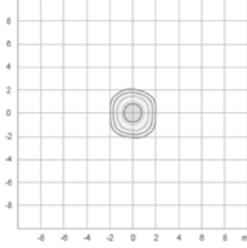
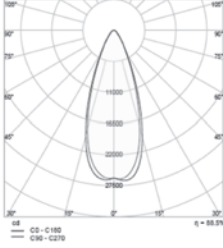
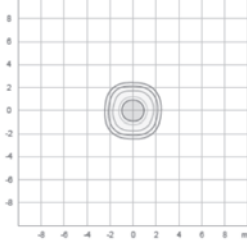
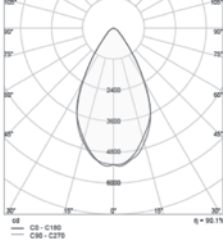
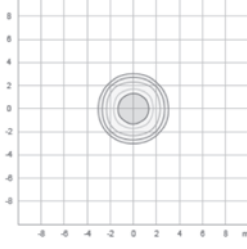
OUTDOOR HIGHPOWER-OPTICS

Optic Name	Application	Polar light distribution diagram	Iso-illuminance Diagram (Iso-lux)
MM1	Asymmetric for M-class with high poles or where road width is equal or less the pole height. Fulfils EN13201-2:2015 requirements		
MN9	Asymmetric for M-class roads where road width is less the pole height long pole distances. Fulfilling requirements EN13201		
MN1	Asymmetric for M-class roads with added house side backlight		
MW5	Asymmetric for M-class roads where road width is wider than the pole height		
AST4	Suitable for various outdoor lighting applications such as streets, roads parking lots, combining efficiency with precise light distribution		
ASR	Double asymmetric for pedestrian crossings, right side traffic		

OUTDOOR HIGHPOWER-OPTICS

Optic Name	Application	Polar light distribution diagram	Iso-illuminance Diagram (Iso-lux)
ASL	Double asymmetric for pedestrian crossings, left side traffic		
WSD	Asymmetric extra wide for area uniform lighting		
ASWD	Asymmetric medium wide forward throw beam with optimized cut-off for area lighting		
FT6W	Asymmetric wide forward throw beam with optimized cut-off for area lighting		
FT4	Narrow forward throw beam with balanced spill light control and backlight. For area lighting		
RS10	Rotation symmetric 10°		

OUTDOOR HIGHPOWER-OPTICS

Optic Name	Application	Polar light distribution diagram	Iso-illuminance Diagram (Iso-lux)
RS20	Rotation symmetric 20°		
RS33	Rotation symmetric 33°		
RS48	Rotation symmetric 48°		
RS60	Rotation symmetric 60°		

FLOODLIGHTING

Explore TAKTON floodlights.

Different wattages and a variety of Ledil optics. This allows you to choose a floodlight that meets your exact needs. The variety of configurations allows you to solve problems from sports lighting and architectural illumination of buildings to utilitarian lighting of outdoor areas and parking lots.



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

PRODUCT TYPE:
DKF 291 ODIN gen2

ELECTRICAL PARAMETERS

DRIVER FAILURE RATIO:
< 10% at 100 000 hours

DRIVER TYPE:
Built in PHILIPS Xitanium Outdoor driver

ELECTRICAL ISOLATION CLASS IEC:
Safety class I as a standard, II on request

INPUT FREQUENCY:
50-60 Hz

LED CURRENT RIPPLE %:
< (4-30) depends on type

MAINS VOLTAGE INDEX:
220-240 V / 50-60 Hz

NOMINAL INPUT VOLTAGE RANGE:
202...254 or 198...264, depends on type

POWER FACTOR NOMINAL:
up to 0.98

STANDARD POWER RANGE:
18 - 35W depending on type

SURGE PROTECTION:
4/6 kV

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

LUMINAIRE LUMEN OUTPUT RANGE, LM:
2500-5500 Lm depending on type

PHOTOBIOLOGICAL SAFETY:
RG1

TYPE OF OPTIC:
Low ageing PMMA lenses by LEDIL

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

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

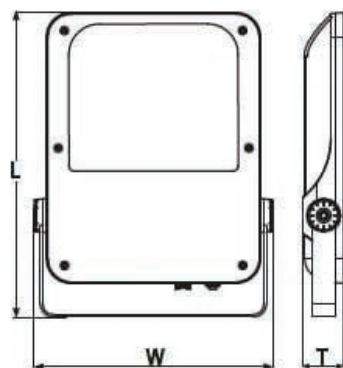
MARKING AND APPROVALS

CE MARK:
CE marked

ROHS MARK:
ROHS compliant

STANDARD PRODUCT RANGE

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



	DKF291	DKF292	DKF293	DKF294
"W" Width	250 mm 9.84"	281.1mm 11.07"	346.8 mm 13.65"	346.8 mm 13.65"
"L" Length	335.2 mm 13.20"	383.1 mm 15.08"	441.8 mm 17.39"	531.5mm 20.92"
"T" Thick	59.7mm 2.35"	59.7mm 2.35"	63.7mm 2.51"	68.1mm 2.68"



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

PRODUCT TYPE:
DKF 292 ODIN gen2

ELECTRICAL PARAMETERS

DRIVER FAILURE RATIO:
< 10% at 100 000 hours

DRIVER TYPE:
Built in PHILIPS Xitanium Outdoor driver

ELECTRICAL ISOLATION CLASS IEC:
Safety class I as a standard, II on request

INPUT FREQUENCY:
50-60 Hz

LED CURRENT RIPPLE %:
< (4-30) depends on type

MAINS VOLTAGE INDEX:
220-240 V / 50-60 Hz

NOMINAL INPUT VOLTAGE RANGE:
202..254 or 198...264, depends on type

POWER FACTOR NOMINAL:
up to 0.98

POWER RANGE:
53-80W depending on type

SURGE PROTECTION:
4/6 kV

LIGHTING PERFORMANCE

CCT:
3000K, 4000K, 5700K

COLOR RENDERING INDEX, CRI:
70 as a standard, CRI80 on request

INITIAL COLOR SHIFT, SDCM:
< 5

LIGHT DISTRIBUTION:
Asymmetric for areas ASWD, Symmetric RS48,
Symmetric RS23

LIGHT SOURCE:
Modules with OSRAM LED chips

LUMINAIRE LUMEN OUTPUT RANGE, LM:
7400-11000 Lm depending on type

PHOTOBIOLOGICAL SAFETY:
RG1

LOR:
up to 0,86

TYPE OF OPTIC:
Low ageing PMMA lenses

MARKING AND APPROVALS

CE MARK:
CE marked

ROHS MARK:
ROHS compliant

CONSTRUCTION AND MATERIALS

DIMENSIONS LxWxH:
383x281x60mm

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 0,107sq.m above/below and 0,023sq.m side position

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

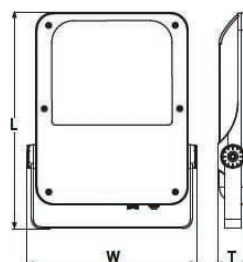
MAINTENANCE OF LUMEN OUTPUT:
100 000 hours – L90B10

APPLICATION:

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

STANDARD PRODUCT RANGE

Code	Name	Light output Lm	Power consumption,W	Weight,kg
600151431399	DKF292 7400Lm 53W 740 I ASWD ICO	7400	53	4,4
600151431411	DKF292 7400Lm 53W 740 I AST4 ICO	7400	53	4,4
600151431369	DKF292 8000Lm 53W 740 I RS10 ICO	8000	53	4,4
600151431336	DKF292 8000Lm 53W 740 I RS20D ICO	8000	53	4,4
600151431115	DKF292 8000Lm 53W 740 I RS33D ICO	8000	53	4,4
600151431304	DKF292 8000Lm 53W 740 I RS48 ICO	8000	53	4,4
600151431806	DKF292 10800Lm 80W 740 I ASWD ICO	10800	80	4,4
600151431833	DKF292 10800Lm 80W 740 I AST4 ICO	10800	80	4,4
600151431811	DKF292 11000Lm 80W 740 I RS10 ICO	11000	80	4,4
600151431315	DKF292 11000Lm 80W 740 I RS20D ICO	11000	80	4,4
600151431810	DKF292 11000Lm 80W 740 I RS33D ICO	11000	80	4,4
600151431307	DKF292 11000Lm 80W 740 I RS48 ICO	11000	80	4,4



	DKF291	DKF292	DKF293	DKF294
"W"Width	250 mm 9.84"	281.1mm 11.07"	346.8 mm 13.65"	346.8 mm 13.65"
"L" Length	335.2 mm 13.20"	383.1 mm 15.08"	441.8 mm 17.39"	531.5mm 20.92"
"T" Thick	59.7mm 2.35"	59.7mm 2.35"	63.7mm 2.51"	68.1mm 2.68"

DKF 293

PRODUCT INFORMATION



BENEFITS:



F

- 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

PRODUCT TYPE:
DKF 293 ODIN gen2

ELECTRICAL PARAMETERS

DRIVER FAILURE RATIO:
< 10% at 100 000 hours

DRIVER TYPE:
Built in PHILIPS Xitanium Outdoor driver

ELECTRICAL ISOLATION CLASS IEC:
Safety class I as a standard, II on request

INPUT FREQUENCY:
50-60 Hz

LED CURRENT RIPPLE %:
< (4-30) depends on type

MAINS VOLTAGE INDEX:
220-240 V / 50-60 Hz

NOMINAL INPUT VOLTAGE RANGE:
202..254 or 198...264, depends on type

POWER FACTOR NOMINAL:
up to 0.98

POWER RANGE:
100-135W depending on type

SURGE PROTECTION:
4/6 kV

LIGHTING PERFORMANCE

CCT:
1700, 2800, 3000K, 4000K, 5700K

COLOR RENDERING INDEX, CRI:
70, CRI80 on request

INITIAL COLOR SHIFT, SDCM:
< 5

LIGHT DISTRIBUTION:
Asymmetric for areas ASWD, AST4
Symmetric RS48, RS33, RS20D, RS10

LIGHT SOURCE:
Modules with OSRAM LED chips

LUMINAIRE LUMEN OUTPUT RANGE, LM:
14700-18500 Lm depending on type

PHOTOBIOLOGICAL SAFETY:
RG1

LOR:
up to 0,86

TYPE OF OPTIC:
Low ageing PMMA lenses

MARKING AND APPROVALS

CE MARK:
CE marked

ROHS MARK:
ROHS compliant

TAKTON

CONSTRUCTION AND MATERIALS

DIMENSIONS LxWxH:
442x347x64

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 0,15sq.m above/below and 0,028sq.m side position

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

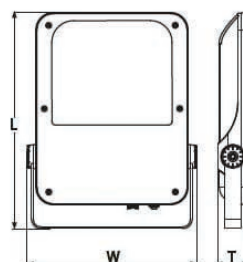
MAINTENANCE OF LUMEN OUTPUT:
100 000 hours – L90B10

APPLICATION:

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

STANDARD PRODUCT RANGE

EOC	Description	Light output, Lm	Power consumption,W	Weight,kg
600151431391	DKF293 14700Lm 100W 740 I ASWD ICO	14700	100	6.3
600151431381	DKF293 14700Lm 100W 740 I AST4 ICO	14700	100	6.3
600151431374	DKF293 15000Lm 100W 740 I RS48 ICO	15000	100	6.3
600151431309	DKF293 15000Lm 100W 740 I RS33 ICO	15000	100	6.3
600151431306	DKF293 15000Lm 100W 740 I RS20D ICO	15000	100	6.3
600151431410	DKF293 15000Lm 100W 740 I RS10 ICO	15000	100	6.3
600151431012	DKF293 18000Lm 135W 740 I AST4 ICO	18000	135	6.3
600151431808	DKF293 18000Lm 135W 740 I ASWD ICO	18000	135	6.3
600151431420	DKF293 18500Lm 135W 740 I RS48 ICO	18500	135	6.3
600151431036	DKF293 18500Lm 135W 740 I RS33 ICO	18500	135	6.3
600151431056	DKF293 18500Lm 135W 740 I RS20D ICO	18500	135	6.3
600151431362	DKF293 18500Lm 135W 740 I RS10 ICO	18500	135	6.3



	DKF291	DKF292	DKF293	DKF294
"W"Width	250 mm 9.84"	281.1mm 11.07"	346.8 mm 13.65"	346.8 mm 13.65"
"L" Length	335.2 mm 13.20"	383.1 mm 15.08"	441.8 mm 17.39"	531.5mm 20.92"
"T" Thick	59.7mm 2.35"	59.7mm 2.35"	63.7mm 2.51"	68.1mm 2.68"

DKF 294

PRODUCT INFORMATION



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

PRODUCT TYPE:
DKF 294 ODIN gen2

ELECTRICAL PARAMETERS

DRIVER FAILURE RATIO:
< 10% at 100 000 hours

DRIVER TYPE:
Built in PHILIPS Xitanium outdoor driver or Meanwell depends on type

ELECTRICAL ISOLATION CLASS IEC:
Safety class I as a standard, II on request

INPUT FREQUENCY:
50-60 Hz

LED CURRENT RIPPLE %:
< (4-30) depends on type

MAINS VOLTAGE INDEX:
220-240 V / 50-60 Hz

NOMINAL INPUT VOLTAGE RANGE:
202..254 or 198...264, depends on type

POWER FACTOR NOMINAL:
up to 0.98

POWER RANGE:
150-172W depending on type

SURGE PROTECTION:
4/6 kV

LIGHTING PERFORMANCE

CCT:
1700, 2800, 3000K, 4000K, 5700K

COLOR RENDERING INDEX, CRI:
70, CRI80 on request

INITIAL COLOR SHIFT, SDCM:
< 5

LIGHT DISTRIBUTION:
Asymmetric for areas ASWD, AST4
Symmetric RS48, RS33, RS20D, RS10

LIGHT SOURCE:
Modules with OSRAM LED chips

LUMINAIRE LUMEN OUTPUT RANGE, LM:
21000-26000 Lm depending on type

PHOTOBIOLOGICAL SAFETY:
RG1

LOR:
up to 0,86

TYPE OF OPTIC:
Low ageing PMMA lenses

MARKING AND APPROVALS

CE MARK:
CE marked

ROHS MARK:
ROHS compliant

CONSTRUCTION AND MATERIALS

DIMENSIONS LxWxH:
532x347x68

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 0,185sq.m above/below and 0,036sq.m side position

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

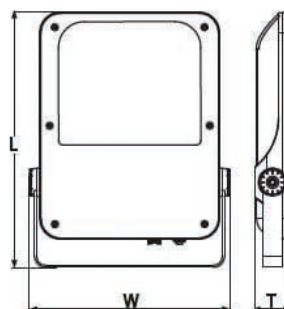
MAINTENANCE OF LUMEN OUTPUT:
100 000 hours – L90B10

APPLICATION:

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

STANDARD PRODUCT RANGE

EOC	Description	Light output, Lm	Power consumption,W	Weight,kg
600151431391	DKF294 21000Lm 150W 740 I ASWD ICO	21000	150	8,5
600151431381	DKF294 21000Lm 150W 740 I AST4 ICO	21000	150	8,5
600151431374	DKF294 22000Lm 150W 740 I RS48 ICO	22000	150	8,5
600151431309	DKF294 22000Lm 150W 740 I RS33 ICO	22000	150	8,5
600151431306	DKF294 22000Lm 150W 740 I RS20D ICO	22000	150	8,5
600151431410	DKF294 22000Lm 150W 740 I RS10 ICO	22000	150	8,5
600151431012	DKF294 25000Lm 172W 740 I ASWD ICO	25000	172	8,5
600151431808	DKF294 25000Lm 172W 740 I AST4D ICO	25000	172	8,5
600151431420	DKF294 26000Lm 172W 740 I RS48 ICO	26000	172	8,5
600151431036	DKF294 26000Lm 172W 740 I RS33 ICO	26000	172	8,5
600151431056	DKF294 26000Lm 172W 740 I RS20D ICO	26000	172	8,5



	DKF291	DKF292	DKF293	DKF294
"W"Width	250 mm 9.84"	281.1mm 11.07"	346.8 mm 13.65"	346.8 mm 13.65"
"L" Length	335.2 mm 13.20"	383.1 mm 15.08"	441.8 mm 17.39"	531.5mm 20.92"
"T" Thick	59.7mm 2.35"	59.7mm 2.35"	63.7mm 2.51"	68.1mm 2.68"

DKF 295

PRODUCT INFORMATION



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

PRODUCT TYPE:
DKF 295 ODIN gen2

ELECTRICAL PARAMETERS

DRIVER FAILURE RATIO:
< 10% at 100 000 hours

DRIVER TYPE:
Built in PHILIPS Xitanium Outdoor driver

ELECTRICAL ISOLATION CLASS IEC:
Safety class I as a standard, II on request

INPUT FREQUENCY:
50-60 Hz

LED CURRENT RIPPLE %:
< 5%

MAINS VOLTAGE INDEX:
220-240 V / 50-60 Hz

NOMINAL INPUT VOLTAGE RANGE:
202..254 or 198...264, depends on type

POWER FACTOR NOMINAL:
up to 0.98

POWER RANGE:
205- 258W depending on type

SURGE PROTECTION:
4/6 kV

LIGHTING PERFORMANCE

CCT:
1800, 2800, 3000K, 4000K, 5700K

COLOR RENDERING INDEX, CRI:
70, CRI80 on request

INITIAL COLOR SHIFT, SDCM:
< 5

LIGHT DISTRIBUTION:
Asymmetric for areas ASWD, AST4
Symmetric RS48, RS33, RS20D, RS10

LIGHT SOURCE:
Modules with OSRAM LED chips

LUMINAIRE LUMEN OUTPUT RANGE, LM:
29500-38000 Lm depending on type

PHOTOBIOLOGICAL SAFETY:
RG1

LOR:
up to 0,86

TYPE OF OPTIC:
Low ageing PMMA lenses

MARKING AND APPROVALS

CE MARK:
CE marked

ROHS MARK:
ROHS compliant

CONSTRUCTION AND MATERIALS

DIMENSIONS LxWxH:
610x420x80

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 0,185sq.m above/below and 0,036sq.m side position

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

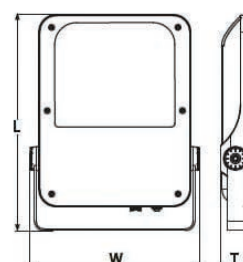
MAINTENANCE OF LUMEN OUTPUT:
100 000 hours – L90B10

APPLICATION:

- Parking and large areas
- Sport facilities
- General lighting

STANDARD PRODUCT RANGE

EOC	Description	Light output, Lm	Power consumption,W	Weight,kg
600151431832	DKF295 29500Lm 205W 740 I ASWD ICO	29500	205	11
600151431065	DKF295 29500Lm 205W 740 I AST4 ICO	29500	205	11
600151431418	DKF295 31000Lm 205W 740 I RS48 ICO	32000	205	11
600151431064	DKF295 31000Lm 205W 740 I RS33 ICO	31000	205	11
600151431823	DKF295 31000Lm 205W 740 I RS20D ICO	31000	205	11
600151431822	DKF295 31000Lm 205W 740 I RS10 ICO	31000	205	11
600151431329	DKF295 36900Lm 258W 740 I ASWD ICO	36900	258	11
600151431393	DKF295 36900Lm 258W 740 AST4D ICO	36900	258	11
600151431417	DKF295 38000Lm 258W 740 I RS48 ICO	38000	258	11
600151431031	DKF295 38000Lm 258W 740 I RS33 ICO	38000	258	11
600151431813	DKF295 38000Lm 258W 740 I RS20D ICO	38000	258	11
600151431416	DKF295 38000Lm 258W 740 I RS10 ICO	38000	258	11



STREET LIGHT

Discover TAKTON's range of street and road lighting luminaires. High energy efficiency, functionality, ease of installation makes the luminaires applicable in various areas of street lighting. With a range of differently priced and sophisticated luminaires, you can help to make streets comfortable and safe with different levels of initial investments.



TAKTON

BENEFITS:



- Slim, attractive design
- The highest quality LED components of proven manufacturers and reliable technical design ensures high-quality lighting and long lifetime
- Selection of light distributions for roads and area lighting
- Low ageing PMMA lenses by LEDIL
- Low initial investments

PRODUCT TYPE:
RONGO DKS52

ELECTRICAL PARAMETERS

DRIVER TYPE:

Built in PHILIPS Xitanium Outdoor driver

DRIVER EFFICIENCY NOMINAL:

up to 0.92

DRIVER FAILURE RATIO:

< 10% at 50000 or 100000 hours depends on type

ELECTRICAL ISOLATION CLASS IEC:

Safety class I as a standard, II on request

INPUT FREQUENCY:

50-60 Hz

MAINS VOLTAGE INDEX:

230-240 V / 50-60 Hz

NOMINAL INPUT VOLTAGE RANGE:

202..254 or 198...264, depends on type

POWER FACTOR NOMINAL:

up to 0.98

POWER RANGE:

23-36W depending on type

SURGE PROTECTION:

6/10 kV standard

LIGHTING PERFORMANCE

CCT:

3000K, 4000K

COLOR RENDERING INDEX, CRI:

> 70

INITIAL COLOR SHIFT, SDCM:

< 5

LIGHT DISTRIBUTION:

Asymmetric for roads, areas, walkways, pedestrian crossings and other types on request

LIGHT SOURCE:

Modules with OSRAM OS LED chips

LUMINAIRE LUMEN OUTPUT RANGE, LM:

2400....5000 Lm depending on type

PHOTOBIOLOGICAL SAFETY:

RG1

LOR:

up to 0,94

TYPE OF OPTIC:

Low ageing PMMA lenses

CONSTRUCTION AND MATERIALS

DIMENSIONS LxWxH:
345x195x83

EFFECTIVE PROTECTED AREA:
-0.02

HOUSING COLOUR:
RAL 7005

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

INGRESS PROTECTION:
IP66

INSTALLATION OPTIONS:
Post top or side entry installation 40-60mm with tilt regulation 0/5/10/15 dgr

OPTICAL COVER:
Extra clear toughened flat glass

WINDAGE AREA:
no more 0,067sq.m above/below and 0,028sq.m side position

OPERATION AND MAINTENANCE

ELECTRICAL CONNECTION:
0,4m cable as standard or 5....8m cable as other options on request

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

MAINTENANCE OF LUMEN OUTPUT:
100 000 hours – L90B10

OPERATING TEMPERATURE RANGE:
-40...+35 C, typical for exact values

APPLICATION:

- Urban road and streets
- Residential roads and paths
- Pedestrian crossroad

STANDARD PRODUCT RANGE

Ordering Code	Type	Power consumption (W)	Flux, (Lm)	Efficacy (Lm/W)	Weight kg
600151422322	DKS 552 2500Lm 18W 740 I NB2 48-60 ICO	18	2500	139	3.7
600151422323	DKS 552 2500Lm 18W 740 I WB 48-60 ICO	18	2500	139	3.7
600151422521	DKS 552 5000Lm 36W 740 I NB2 48-60 ICO	36	5000	139	3.7
600151422522	DKS 552 5000Lm 36W 740 I WB 48-60 ICO	36	5000	139	3.7



MARKING AND APPROVALS

CE MARK:
CE marked

ROHS MARK:
ROHS compliant



BENEFITS:



- Long life ceramic package LED chips by OSRAM – CCT 3000/4000/5700K @ CRI >70 , service lifetime >100000hrs ;
- Modest modern design of MALMÖ luminaire fits well in diversified and demanding city environment. Selection of different size housings in combination with a range of high-performance optics and light color temperatures satisfies all demands for city street lighting.
- The highest quality LED components of proven manufacturers and reliable technical design ensures high-quality lighting and long lifetime.
- Selection of light distributions for roads and area lighting
- Low ageing PMMA lenses by LEDIL

PRODUCT TYPE:
MALMÖ MINI DKS 674, MALMÖ MIDI DKS 675

ELECTRICAL PARAMETERS

DRIVER TYPE:

Built in PHILIPS Xitanium Outdoor driver

DRIVER EFFICIENCY NOMINAL:

up to 0.92

DRIVER FAILURE RATIO:

< 10% at 50000 or 100000 hours depends on type

ELECTRICAL ISOLATION CLASS IEC:

Safety class I as a standard, II on request

INPUT FREQUENCY:

50-60 Hz

MAINS VOLTAGE INDEX:

230-240 V / 50-60 Hz

LED CURRENT RIPPLE %:

230 – 240 V / 50 – 60 Hz

NOMINAL INPUT VOLTAGE RANGE:

202..254 or 198...264, depends on type

POWER FACTOR NOMINAL:

up to 0.98

POWER RANGE:

18-150W depending on type

SURGE PROTECTION:

4/6 kV as a standard, up to 12kV on request

LIGHTING PERFORMANCE

CCT:

1800K, 2200K, 2700K, 3000K, 4000K, 5700K

COLOR RENDERING INDEX, CRI:

> 70

INITIAL COLOR SHIFT, SDCM:

< 5

LIGHT DISTRIBUTION:

Asymmetric for roads, areas, walkways, pedestrian crossings and other types on request

LIGHT SOURCE:

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

LUMINAIRE LUMEN OUTPUT RANGE, LM:

Up to 20000 Lm depending on type

PHOTOBIOLOGICAL SAFETY:

RG1

LOR:

up to 0,86

TYPE OF OPTIC:

Low ageing PMMA lenses

CONSTRUCTION AND MATERIALS

DIMENSIONS LxWxH:

DKS674 - 530(410)x240x76

DKS675 - 645(525)x264x76

EFFECTIVE PROTECTED AREA:

DKS674 - 0.02

DKS675 - 0.03

HOUSING COLOUR:

RAL 7035 - light grey or DB703 - antrazite

HOUSING MATERIAL:

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

INGRESS PROTECTION:

IP66

INSTALLATION OPTIONS:

Post top or side entry installation 40-60mm with tilt regulation 0/5/10/15 dgr

OPTICAL COVER:

Extra clear toughened flat glass

WINDAGE AREA:

DKS674 above/below no more 0,099 sq.m

side position no more 0,031 sq.m

DKS675 above/below no more 0,138 sq.m

side position no more 0,040 sq.m

OPERATION AND MAINTENANCE

ELECTRICAL CONNECTION:

0.4m cable as standard or 5....15m cable as other options on request

MAINTENANCE:

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

MAINTENANCE OF LUMEN OUTPUT:

100 000 hours - L90B10

OPERATING TEMPERATURE RANGE:

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

APPLICATION:

- Urban road and streets
- Residential roads and paths
- Pedestrian crossroad

STANDARD PRODUCT RANGE

EOC	Description	Power consumption (W)	Flux, (Lm)	Efficacy (Lm/W)	Weight kg
600151401201	DKS674 2500LM 18W 740 I NB2 ICO	18	2500	139	4.9
600151401284	DKS674 3700LM 27W 740 I NB2 ICO	27	3700	137	4.9
600151401369	DKS674 5000LM 36W 740 I NB2 ICO	36	5000	139	4.9
600151401168	DKS674 7500LM 54W 740 I NB2 ICO	54	7500	139	4.9
600151401251	DKS675 11000LM 80W 740 I NB2 ICO	80	11000	138	6.5
600151401085	DKS675 14500LM 103W 740 I NB2 ICO	103	14500	141	6.5
600151401009	DKS675 16000lm 120W 740 I NB2 ICO	120	16000	133	6.5
600151421301	DKS675 20000lm 150W 740 I NB2 ICO	150	20000	133	6.5



MARKING AND APPROVALS

CE MARK:

CE marked

ROHS MARK:

ROHS compliant

BENEFITS:



- Ensure high energy efficiency in combination with moderate initial investments in infrastructure development
- Modest modern design of Viking luminaire fits well in diversified and demanding city environment. Selection of different size housings in combination with a range of high-performance optics and light colour temperatures satisfies all demands for city street lighting.
- The highest quality LED components of proven manufacturers and reliable technical design ensures high-quality lighting and long lifetime.

PRODUCT TYPE:
VIKING G2 DKS850

ELECTRICAL PARAMETERS

DRIVER TYPE:

Driver Philips Xitanium or TCI included

INPUT FREQUENCY:

50-60 Hz

MAINS VOLTAGE INDEX:

230-240 V / 50-60 Hz

INSULATION CLASS:

I or II on request

POWER FACTOR:

0.98

POWER RANGE:

17-204W depending on type

SURGE PROTECTION:

up to 12 kV (L/N-GND), up to 6 kV (L-N)

LIGHTING PERFORMANCE

CCT:

1800 – 5700K

COLOR RENDERING INDEX, CRI:

70 – 80

LIGHT SOURCE:

LED module

LUMINAIRE LUMEN OUTPUT RANGE, LM:

1550-29000 lm depending on type

ULOR:

0% while at a 0° tilt installation

LOR:

> 0,86

TYPE OF OPTIC:

Low ageing PMMA lenses

INITIAL LUMINOUS EFFICACY:

up to 182lm/W

CONSTRUCTION AND MATERIALS

HOUSING COATING:
painted with electrostatic powder paint

HOUSING MATERIAL:
High-pressure, die-cast aluminium alloy Side-entry mounting: lateral entry 40/60mm or 76mm

INGRESS PROTECTION:
IP66

OPTICAL COVER:
Tempered glass, flat as standard, PC optional

CONTROLS AND DIMMING

CONTROL METHOD:
Night dimmer, 1-10V, DALI, Sensor ready

DIMMING RANGE:
10...100%

OPERATION AND MAINTENANCE

ELECTRICAL CONNECTION:
Preinstalled rubber cable 3x1.5 0.5m as a standard. Other length is ordering according to the cables range. 3 pole IP68 connector is in the set.

MAINTENANCE:
Opening without tools, safety switch disconnects power on opening – Safe Maintenance Technology (SMT)

MAINTENANCE OF LUMEN OUTPUT:
100,000 hours lifetime L90B10 @ 25°C.

INSTALLATION OPTIONS:
On top or Side-entry mounting: lateral entry 40/60mm or 76mm

APPLICATION:

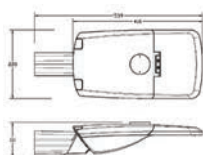
- Urban road and streets
- Residential roads and paths
- Pedestrian crossroad

ENERGY CLASS DEPENDING ON OPTIC AND LIGHT COLOR

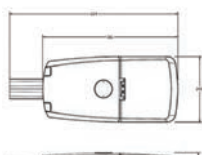
Type of optic	1800K	2700K	3000K	4000K
NB1, NB2, NB3, AST4	D	C	C	B
WB	D	D	D	C

Power	Number of luminaires on MCB (max)			
	B10	B16	C10	C16
17W-22W	28	48	29	81
26-34W	22	32	23	54
52W-105W	6	10	7	17
105-170W	5	7	6	11
170-204W	-	5	-	8

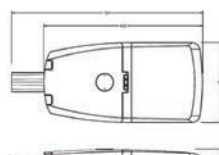
Luminaire type	Weight	Wind force area – top
DKS850 Size A	5,30 kg	0,132 m ²
DKS850 Size B	6,60 kg	0,193 m ²
DKS850 Size C	9,90 kg	0,221 m ²



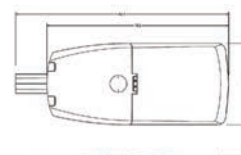
A5-size



A-size



B-size



C-size

MARKING AND APPROVALS

CE, ENEC, ENEC+, ZHAGA D4I, ROHS

URBAN LIGHTING

The modern design of our luminaires allows you to become part of the urban landscape during the day.

A wide range of possible light distributions allows solving many problems of urban lighting, making pedestrian areas, paths and parks comfortable for residents and attractive for tourists.



TAKTON



BENEFITS:



- Classic design lets to use it in historical parts of a city
- Wide range of possible light distributions allows to solve many tasks in city illumination
- Easy installation with pre-installed cable

PRODUCT TYPE:
Billund DPS 355

ELECTRICAL PARAMETERS

DRIVER EFFICIENCY NOMINAL:
up to 0.92

DRIVER FAILURE RATIO:
< 10% at 50000 or 100000 hours depends on type

DRIVER TYPE:
Built in PHILIPS Xitanium Outdoor driver

INPUT FREQUENCY:
50-60 Hz

MAINS VOLTAGE INDEX:
230-240 V / 50-60 Hz

ELECTRICAL ISOLATION CLASS IEC:
Safety class I as a standard, II on request

LED CURRENT RIPPLE %:
< (4-30) depends on type

NOMINAL INPUT VOLTAGE RANGE:
202..254 or 198...264, depends on type

POWER FACTOR NOMINAL:
up to 0.86

POWER RANGE:
40 – 60 W depending on type

SURGE PROTECTION:
4/6 kV

LIGHTING PERFORMANCE

CCT:
1700K, 3000K, 4000K, 5700K

COLOR RENDERING INDEX, CRI:
> 70

LIGHT DISTRIBUTION:
Wide beam as standard.

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

LUMINAIRE LUMEN OUTPUT RANGE, LM:
4200 – 6300 lm depending on type

LUMINAIRE LUMEN OUTPUT RANGE, LM:
4200 – 6300 lm depending on type

PHOTOBIOLOGICAL SAFETY:
RG1

INITIAL COLOR SHIFT, SDCM:
< 5

LOR:
up to 0,89

TYPE OF OPTIC:
Low ageing PMMA lenses

CONSTRUCTION AND MATERIALS

DIMENSIONS LxWxH:
445x590

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

HOUSING COLOUR:
Black RAL 9005

IMPACT RESISTANCE:
IK09

INGRESS PROTECTION:
IP66

OPTICAL COVER:
Extra clear toughened flat glass

INSTALLATION OPTIONS:
Post top installation 60-76mm

WINDAGE AREA:
no more 0,157sq.m above/below and 0,012sq.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

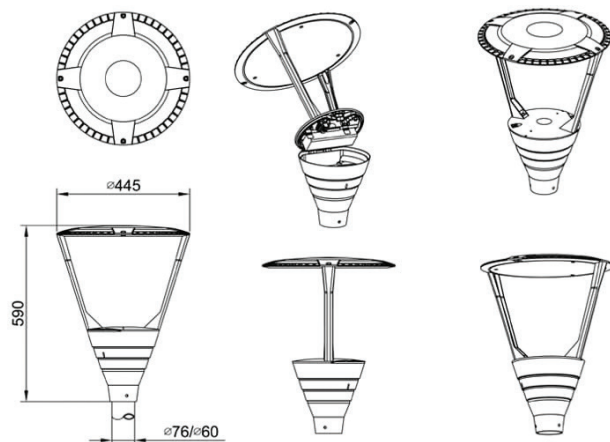
OPERATING TEMPERATURE RANGE:
-40...+35 C, typical for exact values

APPLICATION:

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

STANDARD PRODUCT RANGE

EOC	Description	Power, W	Light output, Lm	Light output, Lm
600151532103	DPS355 5000Lm 40W I 740 WSD ICO	40	5000	13
600151532104	DPS355 8000Lm 60W I 740 WSD ICO	60	8000	13



MARKING AND APPROVALS

CE MARK:
CE marked

ROHS MARK:
ROHS compliant



BENEFITS:

IP65

IK09

CE

230V



- Traditional design keeps historical atmosphere in the city
- Possible to be in different colors
- High quality components, all made in Europe
- Easy installation with pre-installed cable

PRODUCT TYPE:
BASEL DPS 655

ELECTRICAL PARAMETERS

DRIVER EFFICIENCY NOMINAL:
up to 0.92

DRIVER FAILURE RATIO:
< 10% at 50000 or 100000 hours depends on type

DRIVER TYPE:
Built in PHILIPS Xitanium Outdoor driver

INPUT FREQUENCY:
50-60 Hz

MAINS VOLTAGE INDEX:
230-240 V / 50-60 Hz

ELECTRICAL ISOLATION CLASS IEC:
Safety class I as a standard, II on request

LED CURRENT RIPPLE %:
< 4

NOMINAL INPUT VOLTAGE RANGE:
202..254 or 198...264, depends on type

POWER FACTOR NOMINAL:
up to 0.98

POWER RANGE:
18-36 W depending on type

SURGE PROTECTION:
4/6/10 kV

LIGHTING PERFORMANCE

CCT:
1800, 3000K, 4000K, 5700K

COLOR RENDERING INDEX, CRI:
> 70

LIGHT DISTRIBUTION:
Wide beam as standard.

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

LUMINAIRE LUMEN OUTPUT RANGE, LM:
2500-5000 lm depending on type

PHOTOBIOLOGICAL SAFETY:
RG1

INITIAL COLOR SHIFT, SDCM:
< 5

LOR:
up to 0,89

TYPE OF OPTIC:
Low ageing PMMA lenses

CONSTRUCTION AND MATERIALS

HOUSING MATERIAL:

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

HOUSING COLOUR:

DARK GREY RAL 7015 as standard
All other colors possible on request

IMPACT RESISTANCE:

IK09

INGRESS PROTECTION:

IP66

OPTICAL COVER:

PC transparent tube

INSTALLATION OPTIONS:

Post top installation 40-60mm

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

OPERATING TEMPERATURE RANGE:

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

MAINTENANCE:

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

APPLICATION:

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

MAINTENANCE OF LUMEN OUTPUT:

100000 hours – L90B10

STANDARD PRODUCT RANGE

EOC number	Description	Power, W	System flux, Lm	Efficacy Lm/W
600151451001	DPS655 2500LM 18W 730 I IC0 IP66	18	2500	139
600151451002	DPS655 5000LM 36W 730 I IC0 IP66	36	5000	139
600151451003	DPS655 2500LM 18W 740 I IC0 IP66	18	2500	139
600151451004	DPS655 5000LM 36W 740 I IC0 IP66	36	4000	139



MARKING AND APPROVALS

CE MARK:

CE marked

ROHS MARK:

ROHS compliant



BENEFITS:

IP66

IK09

CE

230V



- 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

PRODUCT TYPE:
BERGEN DPS 455

ELECTRICAL PARAMETERS

DRIVER EFFICIENCY NOMINAL:
up to 0.92

DRIVER FAILURE RATIO:
< 10% at 50000 or 100000 hours depends on type

DRIVER TYPE:
Built in PHILIPS Xitanium Outdoor driver

INPUT FREQUENCY:
50-60 Hz

MAINS VOLTAGE INDEX:
230-240 V / 50-60 Hz

ELECTRICAL ISOLATION CLASS IEC:
Safety class I as a standard, II on request

LED CURRENT RIPPLE %:
< (4-30) depends on type

NOMINAL INPUT VOLTAGE RANGE:
202..254 or 198...264, depends on type

POWER FACTOR NOMINAL:
up to 0.98

POWER RANGE:
32 – 80 W depending on type

SURGE PROTECTION:
4/6 kV

LIGHTING PERFORMANCE

CCT:
3000K, 4000K, 5700K

COLOR RENDERING INDEX, CRI:
> 70

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

LUMINAIRE LUMEN OUTPUT RANGE, LM:
4200 – 6300 lm depending on type

PHOTOBIOLOGICAL SAFETY:
RG1

INITIAL COLOR SHIFT, SDCM:
< 5

LOR:
up to 0,89

TYPE OF OPTIC:
Low ageing PMMA lenses

CONSTRUCTION AND MATERIALS

DIMENSIONS LxWxH:
481×469

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

HOUSING COLOUR:
DARK GREY RAL 7015

IMPACT RESISTANCE:
IK09

INGRESS PROTECTION:
IP66

OPTICAL COVER:
Extra clear toughened flat glass

INSTALLATION OPTIONS:
Post top installation 40-60mm

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

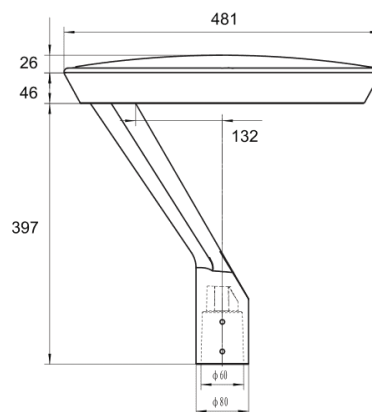
OPERATING TEMPERATURE RANGE:
-40...+35 C, typical for exact values

APPLICATION:

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

STANDARD PRODUCT 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



MARKING AND APPROVALS

CE MARK:
CE marked

ROHS MARK:
ROHS compliant

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