

# TECHNICAL PRODUCT SHEET

**NBB**

LED reflektor

## ORION LED 240V 50W 6000K IP65 black

Order Number  
**253202030**

EAN13  
**8595209941411**

**CE**

### General information

Product description:	ORION LED 240V 50W 4000K IP65
Model/Description:	LED reflektor
Finish:	Průmyslový
Brand/Manufacturer:	NBB
Nominal service life (h):	30000
Material:	Aluminium
Name of production series:	ORION
With movement sensor:	Ne
With light sensor:	Ne
Lamp type:	LED
Nominal voltage (V):	230/240
Suitable for number of lamps:	1
Control gear included:	Ano
Suitable for traverse mounting:	Ano

### Physical characteristics

Numbers of ballasts:	1
Number of couplings:	1
Type of chip:	SMD2835
Dimensions (mm):	300 x 245 x 75
Packing method:	1/4
Weight gross (kg):	3000
Width:	245
Reflector:	Matný

Colour housing:	Černá
Weight netto:	2700
Length:	300
Height/depth (mm):	75
Material housing:	Aluminium
Impact strength:	IK10
Type of surface:	Matný
Adjustability:	Vertikálně
Number of LEDs:	100

#### Electrical characteristics

Nominal wattage (W):	50
Rated power (W):	51,5
Operating voltage (V):	110/240
Type of Voltage:	AC
Lowest permitted operating voltage (V):	110
Voltage type:	AC
Nominal current (A):	0,23
System power:	50
Suitable for pedestal/floor mounting:	Ano

#### EuP Parameters

Average Lifetime B50 (h):	30000
Luminescence Life maintenance factor :	70,0
Factor of functional reliability (LSF) after nom. life:	50,0
Turn-on time:	<0,3
Number of maximal switching cycles:	>50000
The rate of premature failures:	<0,1
Colour difference:	90
Rated service life (hours):	30000
Energy consumption (AGGR) kWh / 1.000 h:	51,5

#### Working conditions

Average lifetime of the ballast (h):	30000
Dimmable by conventional dimmers:	ne
Light source is part of the fixture:	Ano
Working temperature of the ballast body -Tc max:	95
Type of cooler:	Aluminium
Degree of protection (IP):	IP65
Application:	Všeobecné osvětlování
Integrated driver:	Ano
Suitable for through-wiring:	Ne
Dimmable:	Ne
Type of control gear:	Elektronický nestmívatelný

Suitable for suspended mounting:	Ne
Operating ambiente temperature - Ta max °C:	35
Degree of protection (IP):	IP65
Fire resistance "D":	Ano
Suitable for wall mounting:	Ano
Type of dimming:	Nestmívatelné
Suitable for light-track mounting:	Ne
Suitable for clamp-mounting:	Ne
Suitable for ceiling mounting:	Ano

### Lighting characteristics

Lum. flux after 100 hrs. oper.:	5500
Correlated colour temperature CCT (EM):	6088
Color rendering:	2B
Light Colour:	Chladná bílá
Wavelength range (nm):	380/780
Dominant wavelength:	760
Chromaticity coordinates x:	0,360
Chromaticity coordinates y:	0,320
Nom. lum. flux:	5500
CCT:	4200
Colour rendering index CRI:	80
Colour Code:	860
Light sharing:	Symetrické
Radiation angle:	Široký úhel
Colour temperature:	4000/4500
Effective luminous flux (lm):	5500
Colour of light:	Bílá
Beam angle Degrees (°):	120

### Environmental characteristics

Maximum mercury content (mg):	0,00
-------------------------------	------

### Energetic characteristics

Lamp power factor ( $\lambda$ ):	0,97
Rated efficiency after 100h.:	99,99
Lamp efficacy (lm/W):	110

### Mounting methods/application

Installation height (m):	3/5
Mounting method:	Přisazená

### Safety information

Safety instructions:	<a href="http://www.nbb.cz">www.nbb.cz</a>
----------------------	--

Protection class:

Ochranným vodičem

**Additional information**

With lamp:

Ano

NBB BOHEMIA s.r.o., Sidliste 693, Benesov nad Ploucnici 407 22 [www.nbb.cz](http://www.nbb.cz) 02.12.2015