



FSA-03 16/24

Technical Data Sheet

CREATION DATE: 28 July 2016
REV DATE: -

FSA-03 Technical Data Sheet

Key features

- High impact die-cast aluminum body, impact grade IK09
- Tempered glass with 94% light transmittance, IK08
- Modular optical lens design
- Clip-on design makes lamp easy to install, maintain & replace
- Detachable design, easy maintenance
- DC driver, solar power ready (AC driver on request)

Certifications



IP66

IK09

Color options



Metallic grey



White



Black



Pearl powder



More colors on request



Light distribution options

The armature can be fitted with several LED module types, depending on the desired light distribution. The suitable aspect ratio between light point height H and road width W as well as the light distribution curve is shown for every LED module in Table 1.

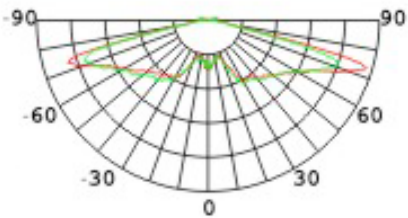
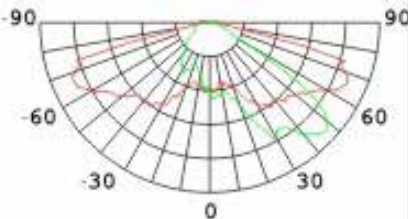
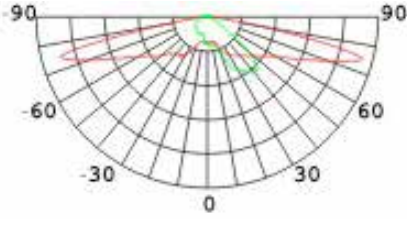
LED module type	Applicability	Light distribution curve
T5-1	Parks, squares Asymmetric optical design	
T3-1	Cycleways, side-walks Aspect ratio 1.0-1.5	

Table 1: LED module types and their characteristics

TS-1	Cycleways, side-walks Aspect ratio 1.2-1.5	
------	---------------------------------------------------	------------------------------------------------------------------------------------

Depending on the lighting standard used and road width, a selection for a suitable LED module can be made using Table 2.




Aspect ratio (W/H)		
1.5 	TS-1	TS-1/T3-1
1.2 		

Table 2: Optical selection based on road width and lighting standard

1.0 	TS-1									
EN13201	S1	S2	S3	S4	S5	CE5	CE4	CE3	CE2	CE1

Technical specifications

In Table 3 and Table 4, the technical specifications for the different available armature models are given.

FSA-03-16		
Electric Current	350mA	700mA
LED Quantity	16pcs	
Rated Power	19W	37W
Color Temperature	6500/4000/3000K	
Luminous Flux	1980/1830/1680lm	3960/3660/3370lm
Installation Pipe Diameter	89mm	
Installation Height	4-6m	
Input Voltage	10-48 Vdc	
Color Rendering Index	>70	

Table 3: Technical specifications for FSA-03-16 armature model

FSA-03-16	
Operating Temperature	-35-80°C
Operating Humidity	20-90%
LED Life Time	70.000h
Protection Grade	IP66
Net Weight	11kg
Gross Weight	13kg
Packing Size	566x566x750mm

FSA-03-24			
Electric Current	350mA	700mA	1050mA
LED Quantity	24pcs		
Rated Power	28W	55W	83W
Color Temperature	6500/4000/3000K		
Luminous Flux	2910/2700/2480lm	5830/5400/4970lm	7620/7060/6490lm
Installation Pipe Diameter	89mm		
Installation Height	4-6m	6-8m	

Table 4: Technical specifications for FSA-03-24 armature model

FlexSol Solutions B.V.

Postal address
P.O. Box 23
NL- 2600 AA Delft
The Netherlands

Visiting address
Rotterdamseweg 386B26
NL-2629 HG Delft
The Netherlands

Phone +31 202613819
Email info@flexsolsolutions.com
Website www.flexsolsolutions.com

		FSA-03-24	
Input Voltage	10-48 Vdc		
Color Rendering Index	>70		
Operating Temperature	-35-80°C		
Operating Humidity	20-90%		
LED Life Time	70.000h		
Protection Grade	IP66		
Net Weight	11kg	11kg	
Gross Weight	13kg	13kg	
Packing Size	566x566x750mm		

All rights reserved by FlexSol Solutions B.V. | Subject to product changes, misprints and printing errors

FlexSol Solutions B.V.

Postal address
P.O. Box 23
NL- 2600 AA Delft
The Netherlands

Visiting address
Rotterdamseweg 386B26
NL-2629 HG Delft
The Netherlands

Phone +31 202613819
Email info@flexsolsolutions.com
Website www.flexsolsolutions.com

FlexSol
Solutions