



GENLUX LIGHTING

a lighting technology company

A division of
ACTOM (Pty) LTD



FORTES LED FLOODLIGHT FAMILY

INDUSTRIAL LED LIGHTING

IP66



LED TECHNICAL DATA

- Light source: High-power SMT LED array.
- LED information: Each module contains 36 high-power LED chips.
- LED options:

Wattage (W)	Driving Current (mA)	Total Luminous Flux (lm)	Efficacy (lm/W)	Nett Weight (kg)
FORTES 2-WAY				
70W	350mA	11 200 lm	160 lm/W	7 kg
104W	500mA	16 000 lm	157 lm/W	7 kg
144W	700mA	20 200 lm	140 lm/W	7 kg
FORTES 4-WAY				
140W	350mA	22 400 lm	160 lm/W	10 kg
208W	500mA	32 800 lm	157 lm/W	10 kg
292W	700mA	40 400 lm	140 lm/W	10 kg
FORTES 6-WAY				
210W	350mA	33 600 lm	160 lm/W	18 kg
312W	500mA	49 200 lm	157 lm/W	18 kg
438W	700mA	60 600 lm	140 lm/W	18 kg
FORTES 9-WAY				
315W	350mA	50 400 lm	160 lm/W	29 kg
468W	500mA	73 800 lm	157 lm/W	29 kg
657W	700mA	90 900 lm	140 lm/W	29 kg

- Colour temperature:
 - 3000K*
 - 4000K
 - 5000K*
 Available on request*
- LED life cycle:
 - L80 B10 @ 50 000 hours
 - L80 B50 @150 000 hours
- Colour Rendering Index options:
 - 70 CRI
 - 80 CRI*
 Available on request*
- Maximum life cycle: 150 000 hours.

LUMINAIRE TECHNICAL DATA

- **Luminaire information:** Fortes LED Floodlight is a powerful, highly efficient, and extra durable light fitting designed for use in demanding industrial conditions where an ingress protection up to IP66 is required. Each module provides up to 10 150 lm and comes in five different light distribution curves. All of these features, in addition to an excellent lifetime of up to 150 000 hours (L80 B50), makes the Fortes LED Floodlight an ideal solution for various industrial and sporting field lighting applications.
- **Light engine:** IP66 and IK08 rated high-performance modules, populated with 36 high-power LED chip sets, mounted onto an aluminium core PCB. Thermal management is effected via an anodized Al 6063-T5 aerospace grade extruded aluminium heat sink. The module is fitted with a PMMA (optical grade) PLEXIGLAS optical lens with a LOR (light output ratio) of 93%, the lens carries a 30 year warranty against yellowing and degradation.
- **Beam angle options:**
 - Narrow Beam: 14.5° (NB)
 - Medium Beam: 18° (MB)
 - Wide Beam: 28° (WB)
 - Extra Wide Beam: 45° (EWB)
- **Luminaire body construction:** The main luminaire body construction comprises of a stainless-steel (304 or 316 grade) strengthening sub-frame structure that is enclosed in a laser cut and CNC formed stainless-steel housing that is epoxy powder coated for increased corrosion-resistance. This is coupled to a high-strength adjustable stainless-steel stirrup bracket system complete with a integrated angular degree indicator. All fixing components used are high-grade stainless-steel.
- **Control gear & gear compartment:** IP66 rated High-pressure die-cast LM6 aluminium enclosure sealed with an extruded silicon gasket. Gear compartment is secured to the stainless steel stirrup bracket and is fitted with constant-current drivers protected by a 20 kVA SPD (Surge Protection Device). Additional control gear options include 1-10V or DALI Dimming system which can be coupled to a manual operated switch or automated sensing devices.
- **Operating temperature:** -25°C to +45°C.
- **Insulation classification:** Class 1.
- **Power supply:** 220V to 240V AC 50 Hz.



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APPLICATION

- Industrial, indoor and outdoor applications
- Garage and Factory applications
- Warehouse and workshop applications
- Industrial lighting
- Mining applications
- Storage facilities

COMPLIANCE STANDARD

- SANS 60598-1, SANS 60598-2-5

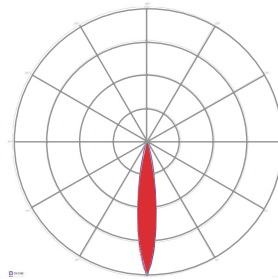
WARRANTY

- 5 year warranty on luminaire body
 - 3 year warranty on internal components
- * Note: This warrantee only covers defects or malfunctions caused during the manufacturing process.

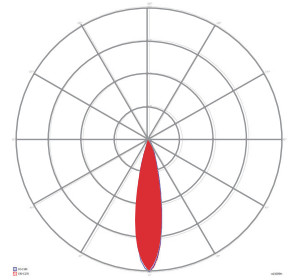
PHOTOMETRIC DIAGRAM

(IES Files available on request)

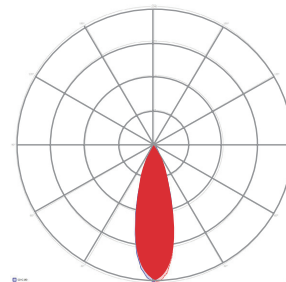
-Narrow Beam Angle



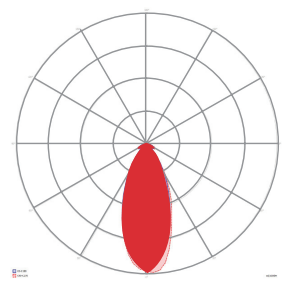
-Medium Beam Angle



-Wide Beam Angle



-Extra Wide Beam



2-Way



6-Way



4-Way



9-Way

