

# SWARCO FUTURIT LED MODULE FUTURLED 6

Safety in the low voltage range

THE STANDARD  
FOR HIGHEST  
OPTICAL PERFORMANCE

From LED pioneer to global player: Benefit from our comprehensive range. Experience and know-how in LED signal technology with over 6 million LED modules sold worldwide.

## KEY BENEFITS

- no LED dots visible, very uniform signal glow – central light source
- lowest power consumption and brilliant light output
- all products traceable by serial number
- custom-made masks allow any symbol display
- life cycle > 5 years
- optimal thermal concept reduces LED-degradation to a minimum
- proven technology
- also available with uncolored lens
- available with white LEDs for public transport

In addition to the brilliant light output and uniform illumination from the central light source, the investments are justified by the improved service life and maintenance-free operation over several years. Convert your existing traffic lights quickly and cost-effectively to modern LED technology. SWARCO offers a wide range of FUTURLED LED units that are adapted to local conditions or special customer needs due to the different local specifications of the individual countries.

## LOW-VOLTAGE SAFETY

Low voltage safety systems have become an important issue in traffic signalling. Better monitoring and increased safety for the people directly working at the traffic signals in the street are the main reasons for this trend.



# TECHNICAL DETAILS



## FUTURLED 6

Optical performance	meet EN 12368 and local requirements or even surpass them
EMC	acc. EN 50293
Ambient temperature range acc. to EN12368	-40°C to +60°C Class A, B, C
Protection class	Safety Class II acc. to EN 61140
Tightness	IP 65 acc. to EN 60529
Impact resistance	Class IR3; acc. to EN 60598-1
Material of lens / housing	UV-stabilized polycarbonate
Cable	2 x 0.75 mm <sup>2</sup> ; 1 m

product list LED signals	energy efficiency	DIAMETER			Dimm	COLOUR			
		100mm	200mm	300mm		red	yellow	green	white
230V / 6W	///	x	x	x		x	x	x	x
230V / 8W	///		x	x	x	x	x	x	x
230V OM* / 8W	///		x				x	x	x
230V / 12W	///		x	x	x	x	x	x	x
230V / 17W	///		x	x		x	x		x
230V OM* / 17W	///		x			x	x		x
230V CP* / 8-12W	///		x	x	x	x	x	x	x
120V / 12W	///		x	x	x	x	x	x	x
40V LE* / 2W	////		x			x	x	x	x
40V OCIT / 5-9W	///	x	x	x		x	x	x	x
40V OCIT OM* / 5-9W	///		x			x	x	x	x
42V / 6W	///	x			x	x	x	x	x
42V CP* / 8-12W	///		x	x	x	x	x	x	x
48V / 6W	///	x			x	x	x	x	x
48V CP* / 8-12W	///		x	x	x	x	x	x	x
12V LE / 1-5W	////	x	x	x		x	x	x	x
24V LE / 1-5W	////		x	x	x	x	x	x	x
X-Line / < 1W	////	x	x	x	x	x	x	x	x
No Power Supply		x	x	x		x	x	x	x

\* CP ..... Constant Power  
LE ..... Low Energy  
OM ..... Optical Monitoring

//// 5 leaves are the symbol of maximum energy efficiency