

Protection ring & light – "ProLight"

Protection ring with integrated lighting



ProLight for Cobots

The ProLight is a lighting protection ring that FAUDE developed to meet the safety requirements for industrial robots (DIN EN ISO 10218-1). These requirements must be met when implementing HRC applications.

Visualization and display of the operating status

The operating status of the robot must be indicated by visual signals. The ProLight can show the operating status of the robot in two colors.

The rounded design reduces the risk of injury and at the same time covers the connection socket of axis 6 on the UR3 and UR5 robots. These must be additionally secured according to guidelines.

FEATURES AND BENEFITS

- Meets the safety requirements for industrial robots (DIN EN ISO 10218-1) for HRC applications
- Reduction of the risk of injury
- Visualization of the current operating status
- Despite the coverage, the tool interface can still be used
- It is recommended for both HRC and non-HRC solutions, as the robot can therefore also be used for other purposes at short notice
- Lighting protection ring can be retrofitted for every UR robot type

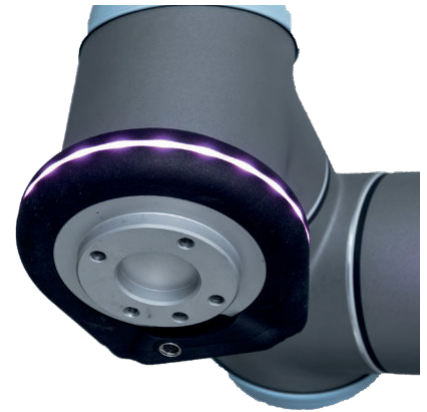
TECHNICAL SPECIFICATIONS “PROLIGHT”

General

Weight in [g]	UR3	86
	UR5	102
	UR10	126
Dimension in [mm]	see technical drawing	
Material	Polyamid	
Environment temperature in [Celsius]	-30° bis +40°	
Maximum temperature in [Celsius]	+45°	

LED lighting

Operating voltage	24V DC	
Type. Dom. wavelength	red 625nm, blue 370nm	
Type. Operating current	UR3/UR5	124,4 mA
	UR10	186,4 mA
	UR3/UR5	3 W
Type. power	UR3/UR5	3 W
	UR10	4,5 W
Energy efficiency	A+	



ORDERING INFORMATION

Typ	item number
ProLight UR3	FAP17101
ProLight UR5	FAP17201
ProLight UR5 Gen2	FAP18201
for robots with a deep interface	
ProLight UR10	FAP17301

Accessories - included in the order includes
 cable ProLight Tool connecting cable,
 M8 6P straight, 1,5m

Further information and the assembly instructions can be found at

<https://faudetec.de/produkte/prolight/>