% reflector

model [1]	RL098	RL100	RL100D (50x50mm)	RL100 DA4	RL100 DC4	RL100 DQ1	RL102	RL103	RL104	RL105G	RL106G	RL107	RL110		RL110	RL111G	RL112G	RL113G	RL116	RL130	RL131	RL133	RL201	RL202	RL203	RL204	model [1]
DMP	-	-	40	55	50	50	25	50	50	50	80	125	100		100	30	35	75	50	55	30	25	-	-	-	-	DMP
FAIC_axial	20	10	20	40	25	30	35	50	50	40	80	105	100		100	40	50	80	80	80	30	25	-	-	-	-	FAIC_axial
FAIM_axial	20	10	20	40	25	30	35	50	50	40	80	105	100		100	40	50	80	80	80	30	25	-	-	-	-	FAIM_axial
FAIC_90°	20	10	20	40	25	30	35	50	50	40	80	105	100		100	40	50	80	80	80	30	25	-	-	-	-	FAIC_90°
FAIM_90°	20	10	20	40	25	30	35	50	50	40	80	105	100		100	40	50	80	80	80	30	25	-	-	-	-	FAIM_90°
FARN_axial	-	-	25	40	30	35	40	45	50	40	80	110	100		100	35	45	70	75	75	35	10	-	-	-	-	FARN_axial
FARP_axial	-	-	25	40	30	35	40	45	50	40	80	110	100		100	35	45	70	75	75	35	10	-	-	-	-	FARP_axial
FARN_90°	-	-	20	35	25	30	30	25	35	40	110	130	100		100	15	15	60	20	45	25	7	-	-	-	-	FARN_90°
FARP_90°	-	-	20	35	25	30	30	25	35	40	110	130	100		100	15	15	60	20	45	25	7	-	-	-	-	FARP_90°
FARL_axial	-	-	-	-	-	-	-	-	-	-	-	-	100		100	-	-	70	70	-	-	-	-	-	-	-	FARL_axial
FARL_90°	-	-	-	-	-	-	-	-	-	-	-	-	100		100	-	-	55	70	-	-	-	-	-	-	-	FARL_90°
FALN	-	-	20	20	15	20	30	40	45	70	90	85	100		100	60	70	85	85	90	15	15	130	120	90	90	FALN
SSC	20	10	15	35	30	30	30	40	50	40	80	110	100		100	45	50	75	85	85	40	25	-	-	-	-	SSC
SPC	20	10	15	35	30	30	30	40	50	40	80	110	100		100	45	50	75	85	85	40	25	-	-	-	-	SPC
SSP	-	-	-	-	-	-	5	40	50	30	70	110	100		100	40	45	70	110	80	25	-	-	-	-	-	SSP
SPP	-	-	-	-	-	-	5	40	50	30	70	110	100		100	40	45	70	110	80	25	-	-	-	-	-	SPP
MSC	20	10	25	45	35	40	35	50	60	45	100	115	100		100	35	50	80	80	100	40	35	-	-	-	-	MSC
MPC	20	10	25	45	35	40	35	50	60	45	100	115	100		100	35	50	80	80	100	40	35	-	-	-	-	MPC
MSP	-	-	35	35	35	35	25	50	70	50	110	115	100		100	50	40	60	90	60	30	25	-	-	-	-	MSP
MPP	-	-	35	35	35	35	25	50	70	50	110	115	100		100	50	40	60	90	60	30	25	-	-	-	-	MPP
SAC	30	15	25	40	40	40	25	40	45	45	100	115	100		100	20	55	80	90	80	35	10	-	-	-	-	SAC
SAP	-	-	25	35	35	35	25	40	50	40	90	120	100		100	30	30	80	50	40	20	20	-	-	-	-	SAP
MVC	20	10	25	45	35	45	30	50	60	40	90	110	100		100	50	40	70	70	75	30	25	-	-	-	-	MVC
MVP	-	-	20	25	30	30	25	20	35	35	60	105	100		100	25	30	60	55	55	30	7	-	-	-	-	MVP
FQIC_axial	30	15	30	75	40	45	40	50	50	50	95	105	100		100	40	55	75	90	70	30	25	-	-	-	-	FQIC_axial
FQIC_90°	15	20	30	75	40	50	25	40	55	40	90	105	100		100	40	55	80	90	70	30	25	-	-	-	-	FQIC_90°
FQRN axial	-	-	30	30	30	30	40	50	50	45	90	110	100		100	35	50	75	80	70	30	25	-	-	-	-	FQRN axial
FQRN_90°	-	-	30	35	30	30	40	50	50	40	90	110	100		100	20	30	70	40	65	35	20	-	-	-	-	FQRN_90°
FQRL_axial	-	-	-	-	-	-	-	-	-	-	-	-	100		100	-	-	55	60	-	-	-	-	-	-	-	FQRL_axial
FQRL_90°	-	-	-	-	-	-	-	-	-	-	-	-	100		100	-	-	55	60	-	-	-	-	-	-	-	FQRL_90°
FFRN	-	-	25	30	30	30	35	45	50	45	90	110	100		100	35	45	75	80	70	35	25	-	-	-	-	FFRN
FFRP	-	-	25	30	30	30	35	45	50	45	90	110	100		100	35	45	75	80	70	35	25	-	-	-	-	FFRP
FFRL	-	-	-	-	-	-	-	-	-	-	-	-	100		100	-	-	55	45	-	-	-	-	-	-	-	FFRL
QXP	-	-	30	35	35	35	25	30	40	40	80	110	100		100	55	40	50	70	70	20	25	-	-	-	-	QXP
QXC	-	-	-	40	30	15	20	25	35	40	90	100	100		100	25	30	35	40	45	-	-	-	-	-	-	QXC
BVC	40	20	35	85	50	55	40	50	55	50	95	110	100		100	35	55	85	95	95	35	30	-	-	-	-	BVC
BSC	40	20	35	85	50	55	40	50	55	50	95	110	100		100	35	55	85	95	95	35	30	-	-	-	-	BSC
PSC	-	-	-	30	25	25	20	20	10	40	30	115	100		100	30	30	45	45	60	10	-	-	-	-	-	PSC
RXC	25	20	25	50	30	40	30	30	20	35	80	95	100		100	30	40	60	60	65	-	-	-	-	-	-	RXC
RXP	-	-	30	50	35	40	10	10	40	45	60	110	100		100	25	35	45	25	60	-	-	-	-	-	-	RXP
QMIC	40	20	30	40	20	35	30	40	40	40	90	100	100		100	35	50	80	80	85	30	20	-	-	-	-	QMIC
QMIG	-	-	-	-	-	-	-	-	-	-	-	-	100		100	-	-	50	60	-	-	-	-	-	-	-	QMIG
QMRG_LP	-	-	-	-	-	-	-	-	-	-	-	-	100		100	-	-	65	70	-	-	-	-	-	-	-	QMRG_LP
QMRG	-	-	-	-	-	-	-	-	-	-	-	-	100		100	-	-	65	70	-	-	-	-	-	-	-	QMRG
Q50RN	-	-	25	35	25	30	35	45	50	40	80	105	100		100	40	35	60	80	80	25	20	-	-	-	-	Q50RN
FGRN	5	-	15	30	30	30	35	50	55	45	75	105	100		100	40	45	70	80	80	25	30	-	-	-	-	FGRN
QMRN	-	-	15	35	30	35	15	30	40	50	90	120	100		100	35	45	70	80	80	30	15	-	-	-	-	QMRN
QMRL	-	-	-	-	-	-	-	-	-	-	-	-	100		100	-	-	70	80	-	-	-	-	-	-	-	QMRL
protection degree[2]	IP67														IP67												protection degree[2]
material	acrylic /policarbonate														acrylic /policarbonate												material

[1] Refer to individual data sheets for detailed specifications of the photoelectric sensors
[2] Applications involving water immersion or atmospheres with steam or water vapour clouds are not advised

To ensure constant detection performance, especially when used at the maximum sensing range, it is important to keep the reflector surface clean by wiping with a damp cloth. When selecting a reflector, the ambient condition in which it is to be used should be taken into account, as dusty or high humidity atmospheres may cause the range to be limited to as low as 10 %.

The range is calculate as follow:
range = max. sensing distance x reflector % x ambient condition%
The ambient condition % is an arbitrary value that can be determined only be experimentation.
Typical values are: **clean = 100%; low levels of dust or humidity = 50%; moderate levels = 25%; high levels = 10%**
The reflectors should be positioned at 90° to the optical axis with a tolerance of ± 15°

Please Note: Mechanical dimensions can vary without any advice