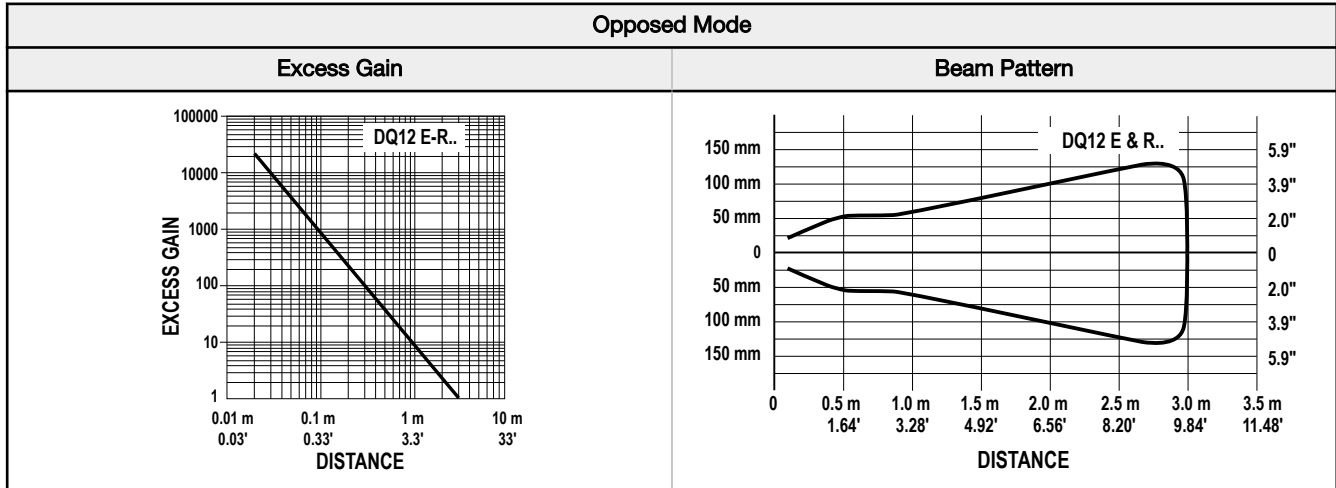
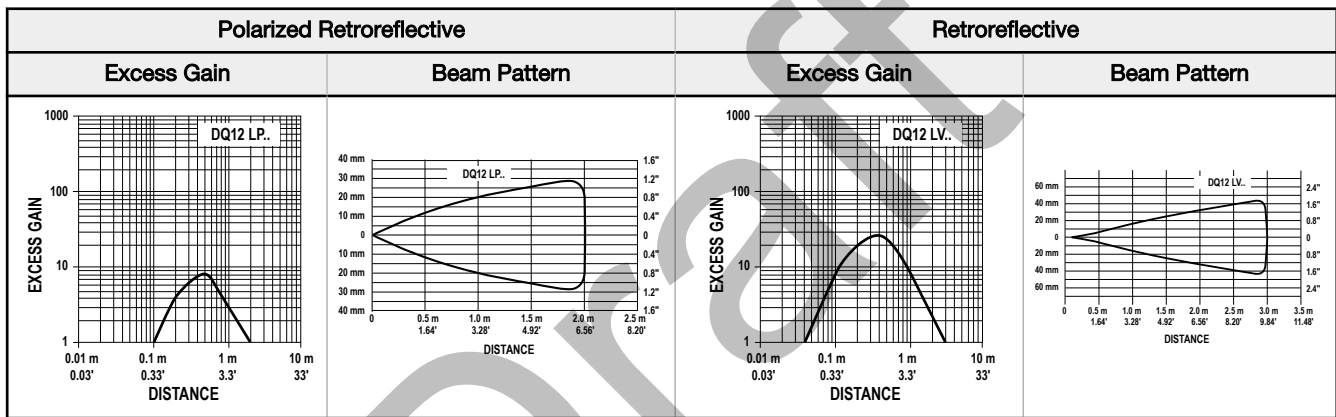


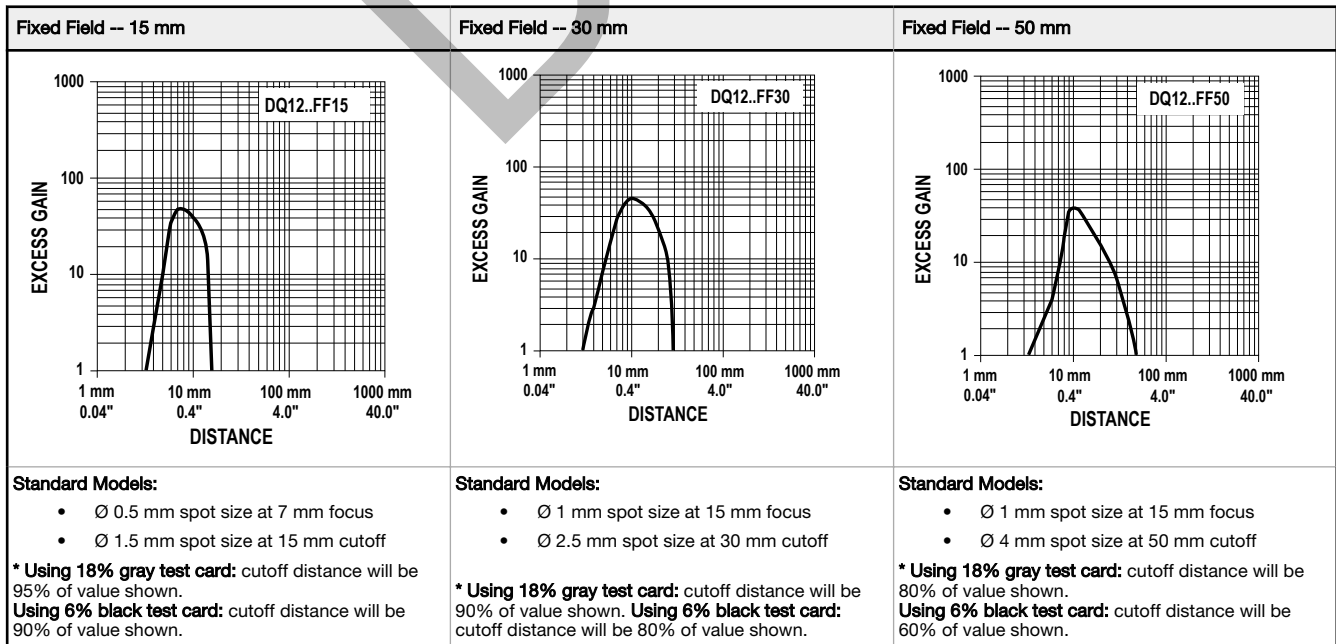
Performance Curves



Retroreflective and polarized retroreflective performance is based on the use of a model BRT-60X40C retroreflector.



Fixed-field focus and spot sizes are typical. Performance based on use of 90% reflectance white test card.*



Accessories

Cordsets

3-Pin Threaded M8/Pico-Style Cordsets				
Model	Length	Style	Dimensions	Pinout (Female)
PKG3M-2	2.035 m (6.68 ft)	Straight		<p>1 = Brown 3 = Blue 4 = Black</p>
PKG3M-5	5.035 m (16.51 ft)			
PKG3M-7	7.035 m (23.08 ft)			
PKG3M-9	9.035 m (29.64 ft)			
PKG3M-10	10.035 m (32.92 ft)	Right-Angle		
PKW3M-2	2 m (6.56 ft)			
PKW3M-5	5 m (16.40 ft)			
PKW3M-9	9 m (29.53 ft)			

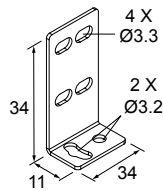
4-Pin Threaded M8/Pico-Style Cordsets—Single Ended				
Model	Length	Style	Dimensions	Pinout (Female)
PKG4M-2	2 m (6.56 ft)	Straight		<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
PKG4M-5	5 m (16.4 ft)			
PKG4M-9	9 m (29.5 ft)			
PKW4M-2	2 m (6.56 ft)	Right Angle		
PKW4M-5	5 m (16.4 ft)			
PKW4M-9	9 m (29.5 ft)			

4-Pin Threaded M12/Euro-Style Cordsets—Single Ended				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406	1.83 m (6 ft)	Straight		<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
MQDC-415	4.57 m (15 ft)			
MQDC-430	9.14 m (30 ft)			
MQDC-450	15.2 m (50 ft)	Right-Angle		
MQDC-406RA	1.83 m (6 ft)			
MQDC-415RA	4.57 m (15 ft)			
MQDC-430RA	9.14 m (30 ft)			
MQDC-450RA	15.2 m (50 ft)			

Brackets

SMBQ12T

- Right-angle bracket
- 20-ga. 300 series stainless steel

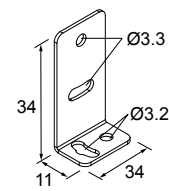


Hole center spacing: A to B = 7.6

Hole size: A = 3.5 x 8.1, B=ø 3.2

SMBQ12A

- Adjustable right-angle bracket
- 20-ga. 300 series stainless steel



Hole center spacing: A to B = 7.6

Hole size: A = 3.5 x 8.1, B=ø 3.2

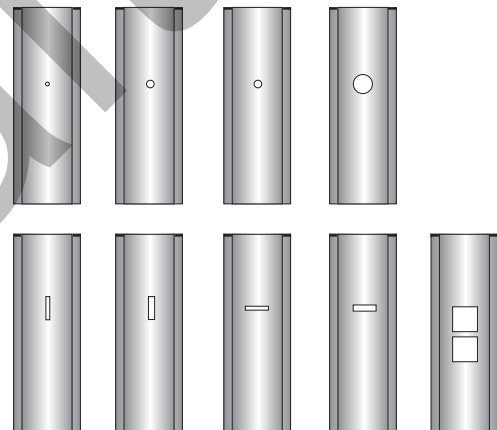
Apertures

Opposed-mode sensors (standard models only) may be fitted with apertures to narrow or shape the sensor's effective beam to more closely match the size or profile of the objects being sensed. A common example is the use of "line" (or "slot") type apertures to sense thread.



Note: The use of apertures will reduce the sensing range (see table below).

Model	Description	Pieces	Reduced Sensor Range (Two Apertures Used)
Circular			
APQ12-.5	0.5 mm (0.02 in) diameter	10	60 mm (2.4 in)
APQ12-1	1 mm (0.04 in) diameter	10	190 mm (7.5 in)
APQ12-1.5	1.5 mm (0.06 in) diameter	10	400 mm (15.7 in)
APQ12-2	2 mm (0.08 in) diameter	10	725 mm (28.5 in)
Horizontal Slot			
APQ12-.5H	0.5 mm (0.02 in)	10	350 mm (13.8 in)
APQ12-1H	1 mm (0.04 in)	10	725 mm (28.5 in)
Vertical Slot			
APQ12-.5V	0.5 mm (0.02 in)	10	450 mm (17.7 in)
APQ12-1V	1 mm (0.04 in)	10	900 mm (35.4 in)
Protective Jacket			
APQ12-4S	4 mm (0.16 in) square	10	2000 mm (78.7 in)
APKQ12	Kit containing two of each aperture above	18	—



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FCC Part 15 and CAN ICES-3 (B)/NMB-3(B)

This device complies with part 15 of the FCC Rules and CAN ICES-3 (B)/NMB-3(B). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules and CAN ICES-3 (B)/NMB-3(B). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the manufacturer.

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