



Features

- Bright, visible red (640 nm) light source
- 10 to 30V dc operation
- Solid-state, bipolar outputs: one current sourcing (PNP) and one current sinking (NPN)
- Light Operate (L.O.) or Dark Operate (D.O.), depending on model
- Models available with PFA chemical-resistant jacket (1200 psi washdown rated) for use in harsh environments (see page 2).
- Standard models available with 4-wire, 2 m (6.5') or 9 m (30') cable or 150 mm (6") pigtail with Pico-style M8 threaded connector
- Compact 8 mm (0.31") housing mounts almost anywhere
- Crosstalk-avoidance circuitry for multiple-sensor applications
- LED status indicators for Power ON, Output Overload, Signal Received, and Marginal Signal

Standard Models

Sensing Mode		Model*	Range	Output	Sensing Mode		Model*	Range	Output
Opposed	640 nm Visible Red	Q126E	2 m (6.5')	N/A	Fixed-Field	Performance based on use of 90% reflectance white test card.			
	Effective Beam: 5.7 mm (0.22")	Q12AB6R		Bipolar L.O.		640 nm Visible Red	Q12AB6FF15	15 mm (0.6") cutoff;	Bipolar L.O.
		Q12RB6R		Bipolar D.O.			Q12RB6FF15	10 mm (0.4") focus	Bipolar D.O.
Polarized Retro	640 nm Visible Red	Q12AB6LP	1 m† (40")	Bipolar L.O.			Q12AB6FF30	30 mm (1.2") cutoff;	Bipolar L.O.
		Q12RB6LP		Bipolar D.O.			Q12RB6FF30	16 mm (0.63") focus	Bipolar D.O.
Retro	640 nm Visible Red	Q12AB6LV	1.5 m† (59")	Bipolar L.O.			Q12AB6FF50	50 mm (2") cutoff;	Bipolar L.O.
		Q12RB6LV		Bipolar D.O.	Q12RB6FF50		16 mm (0.63") focus	Bipolar D.O.	

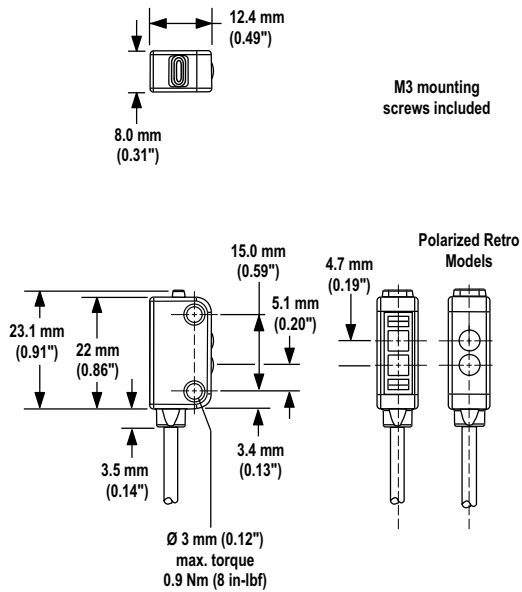
*Only standard 2 m (6.5') cable models are listed. For 9 m (30') cable, add suffix "W/30" to the model number (e.g., Q126E W/30).

†Retroreflective range is specified using one model BRT-60X40C retroreflector. Actual sensing range may be more or less than specified, depending upon efficiency and reflective area of the retroreflector(s) used.

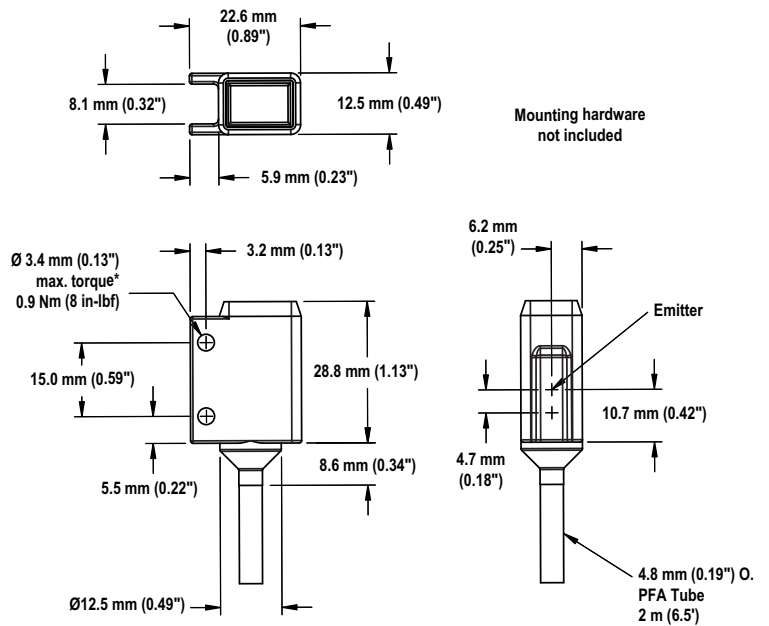
†Retroreflective range is specified using one model BRT-60X40C retroreflector. Actual sensing range may be more or less than specified, depending upon efficiency and reflective area of the retroreflector(s) used.

Dimensions

Standard Models



Chemical-Resistant Models



* When mounting by running a screw through both flanges without support between the flanges, the max. torque applied should be 0.1 Nm (1 in-lbf).