

**FX-300 SERIES**  
**Sensing Characteristics**  
**Data Sheet**

# SENSING CHARACTERISTICS (TYPICAL)

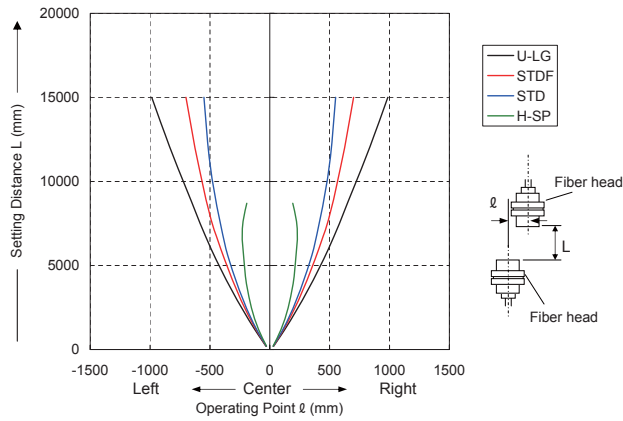
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

## FT-140

Thru-beam type

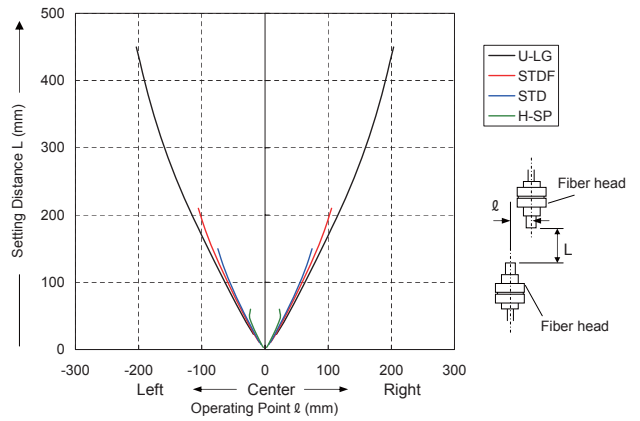
Common for horizontal and vertical direction



## FT-30

Thru-beam type

Common for horizontal and vertical direction

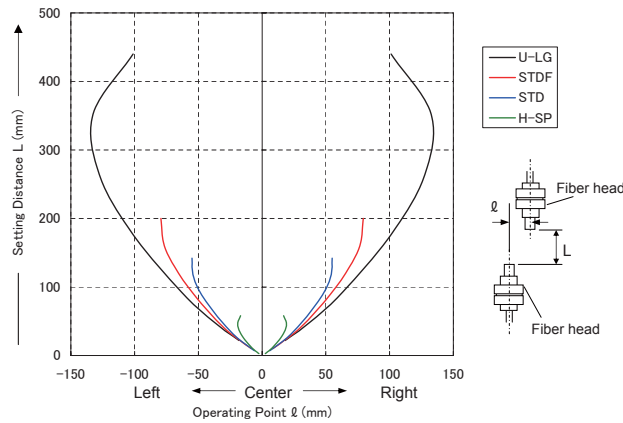


The sensing range at U-LG/STDF mode is 19,600mm (STD mode: 16,000mm), however the measurement is up to practical distance because the fiber cable length limits.

## FT-31

Thru-beam type

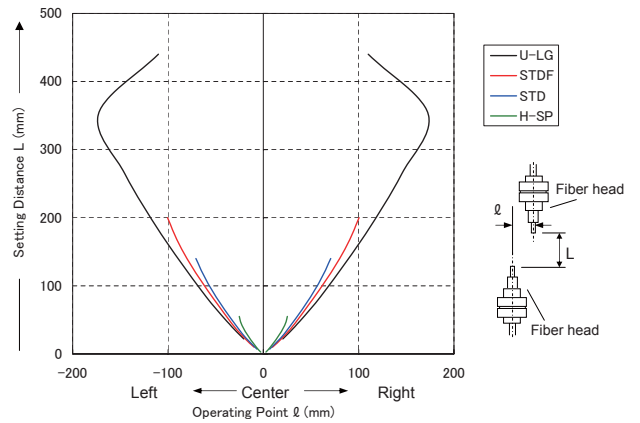
Common for horizontal and vertical direction



## FT-31S

Thru-beam type

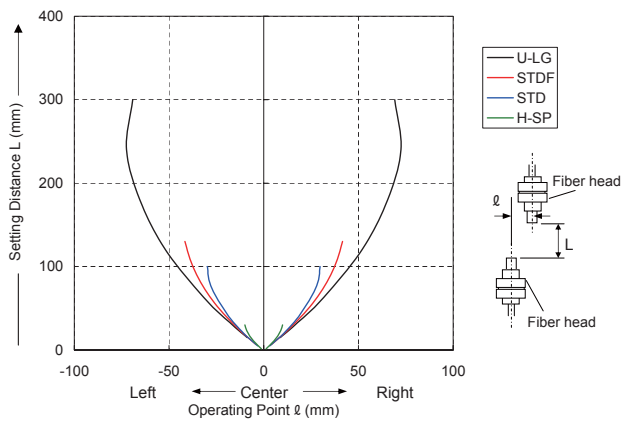
Common for horizontal and vertical direction



## FT-31W

Thru-beam type

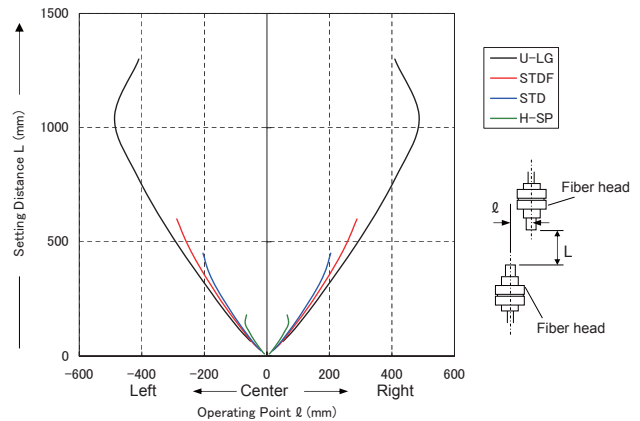
Common for horizontal and vertical direction



## FT-40

Thru-beam type

Common for horizontal and vertical direction



## SENSING CHARACTERISTICS (TYPICAL)

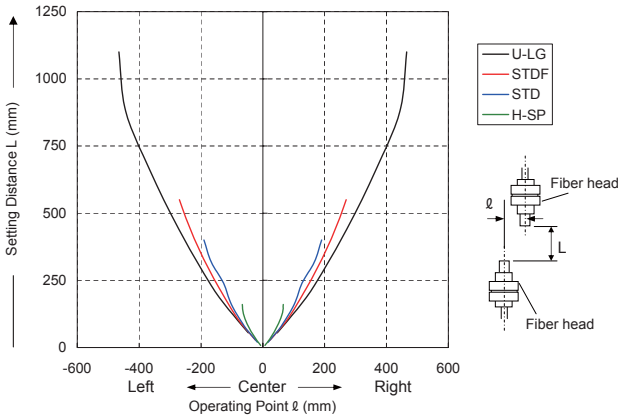
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

### FT-42

Thru-beam type

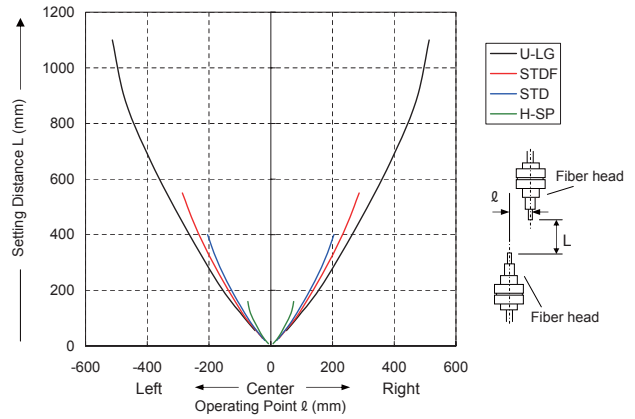
Common for horizontal and vertical direction



### FT-42S

Thru-beam type

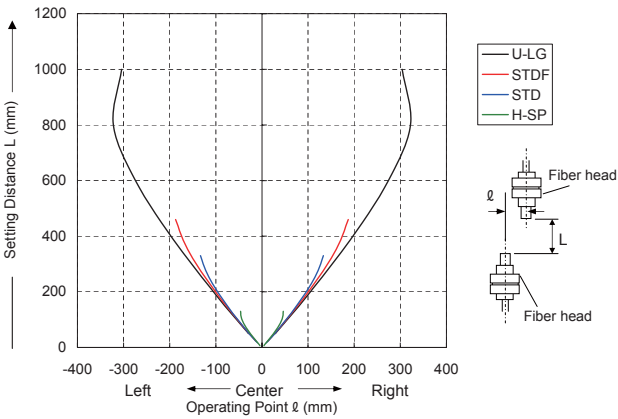
Common for horizontal and vertical direction



### FT-42W

Thru-beam type

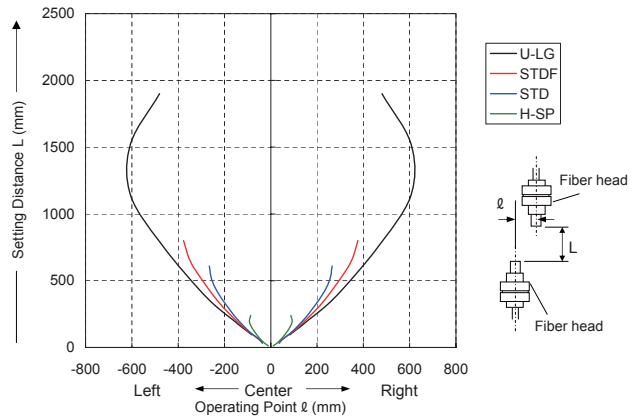
Common for horizontal and vertical direction



### FT-43

Thru-beam type

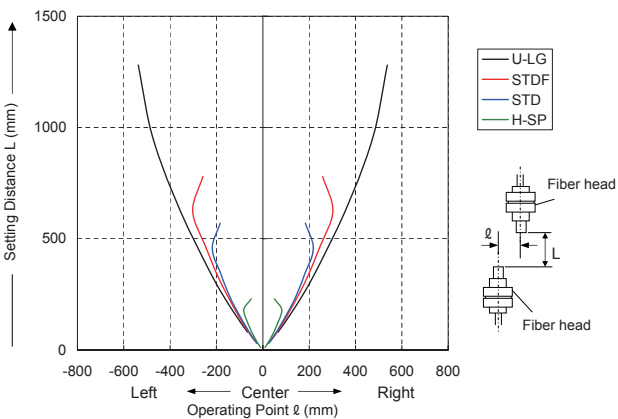
Common for horizontal and vertical direction



### FT-45X

Thru-beam type

Common for horizontal and vertical direction



The sensing range at U-LG mode is 1,600mm, however the measurement is up to practical distance because the fiber cable length limits.

# SENSING CHARACTERISTICS (TYPICAL)

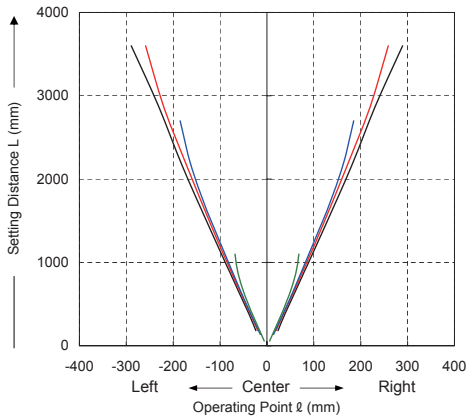
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

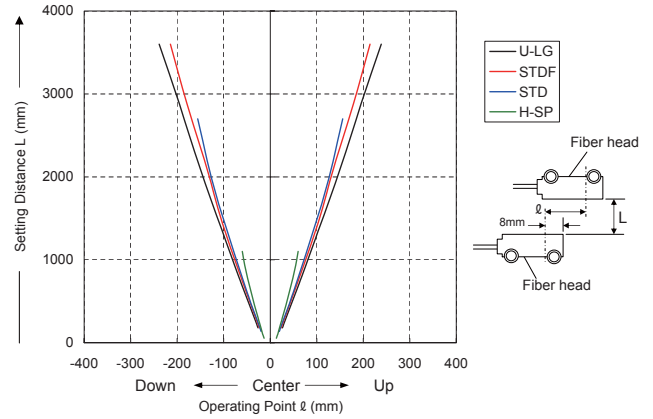
## FT-A11

Thru-beam type

Horizontal direction



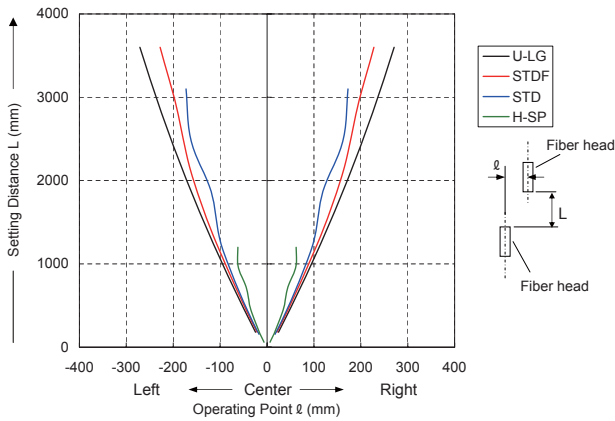
Vertical direction



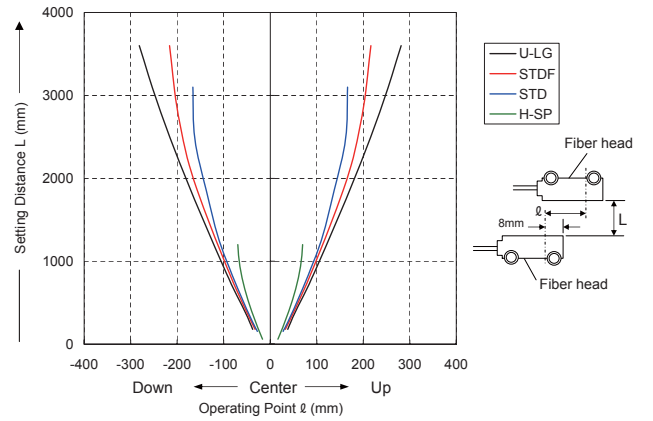
## FT-A11W

Thru-beam type

Horizontal direction



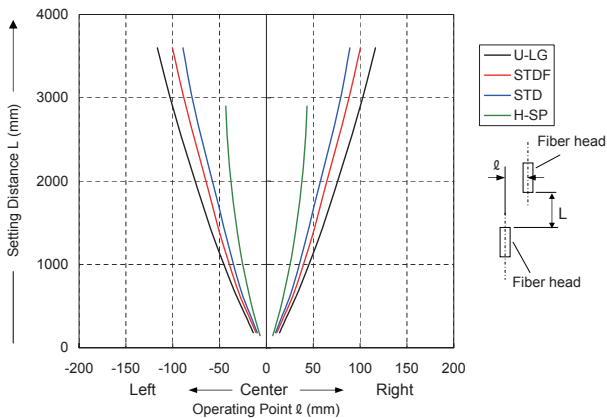
Vertical direction



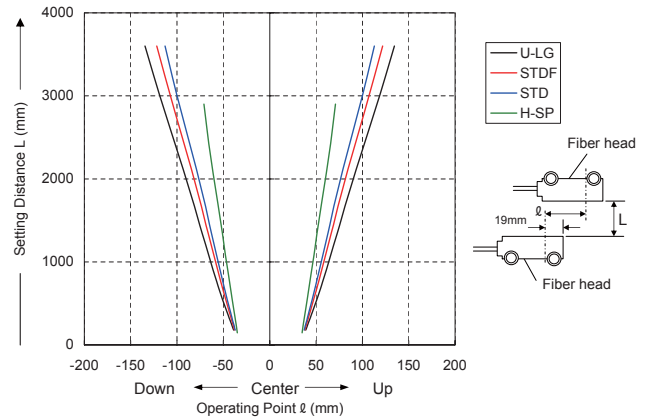
## FT-A32

Thru-beam type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

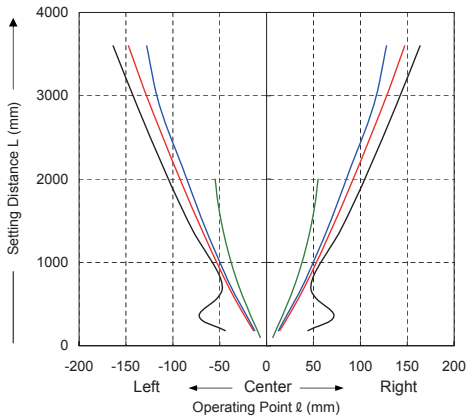
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

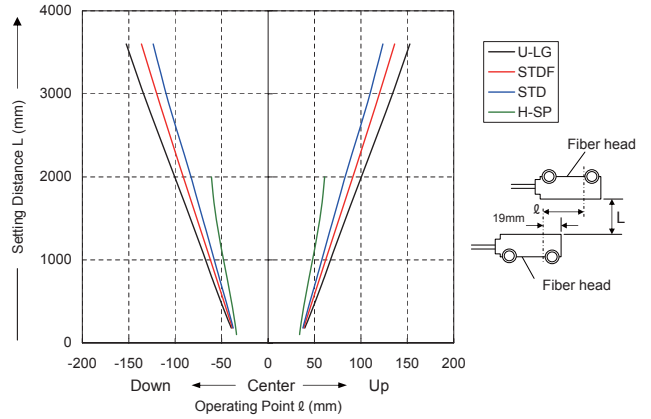
## FT-A32W

Thru-beam type

Horizontal direction



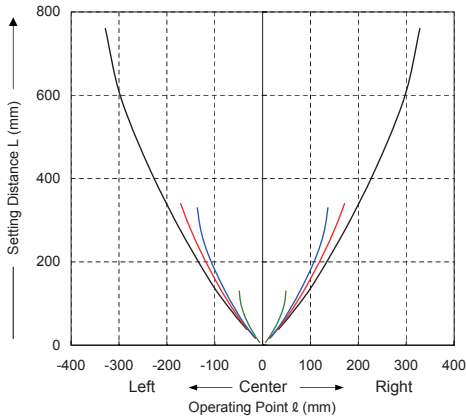
Vertical direction



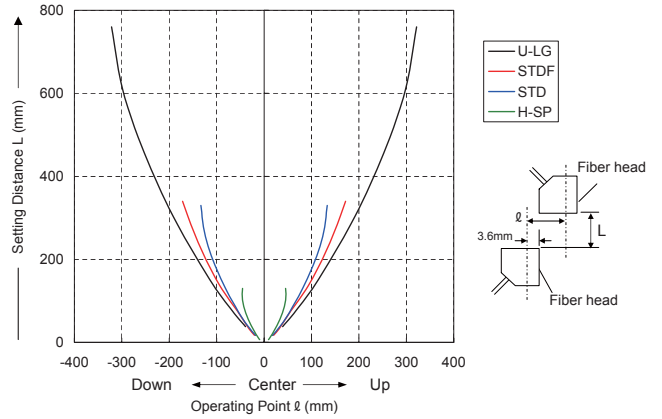
## FT-AL05

Thru-beam type

Horizontal direction



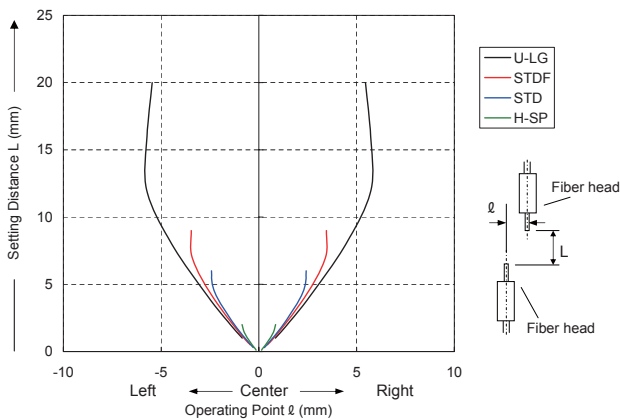
Vertical direction



## FT-E13

Thru-beam type

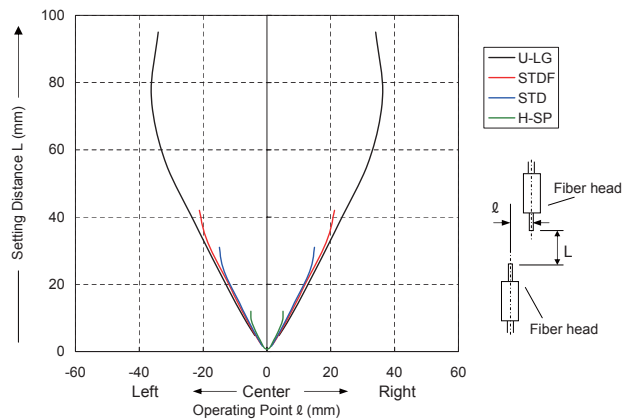
Common for horizontal and vertical direction



## FT-E23

Thru-beam type

Common for horizontal and vertical direction



## SENSING CHARACTERISTICS (TYPICAL)

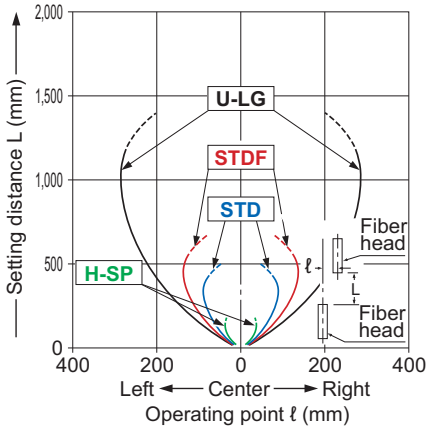
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

### FT-H13-FM2

Thru-beam type

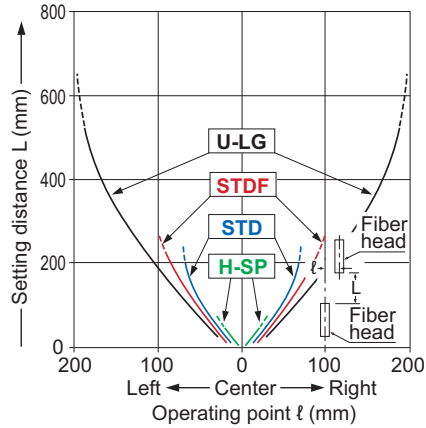
Common for horizontal and vertical direction



### FT-H20-J20-S FT-H20-J30-S FT-H20-J50-S

Thru-beam type

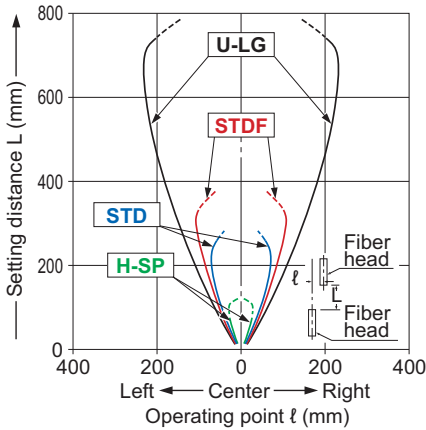
Common for horizontal and vertical direction



### FT-H20-M1

Thru-beam type

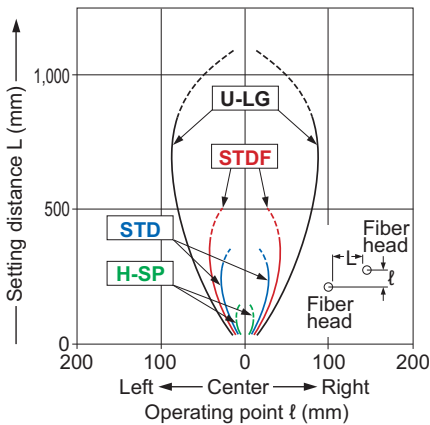
Common for horizontal and vertical direction



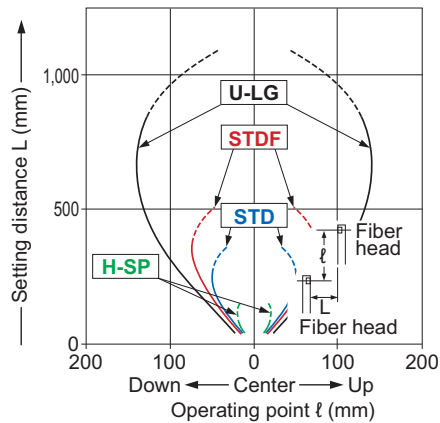
### FT-H20-VJ50-S FT-H20-VJ80-S

Thru-beam type

Horizontal direction



Vertical direction



## SENSING CHARACTERISTICS (TYPICAL)

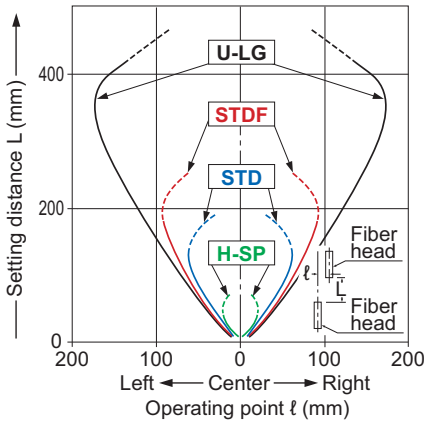
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

### FT-H20W-M1

Thru-beam type

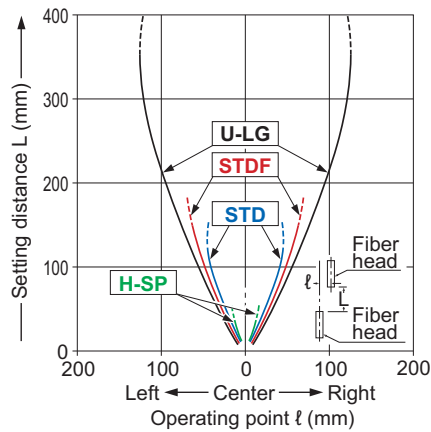
Common for horizontal and vertical direction



### FT-H30-M1V-S

Thru-beam type

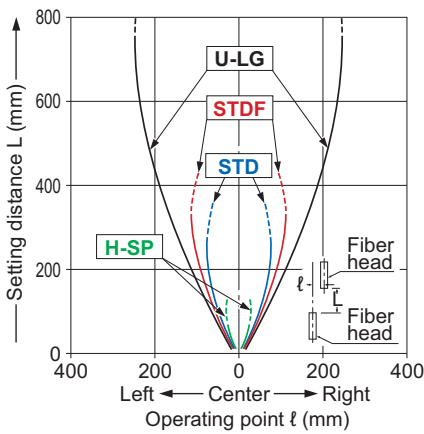
Common for horizontal and vertical direction



### FT-H35-M2 FT-H35-M2S6

Thru-beam type

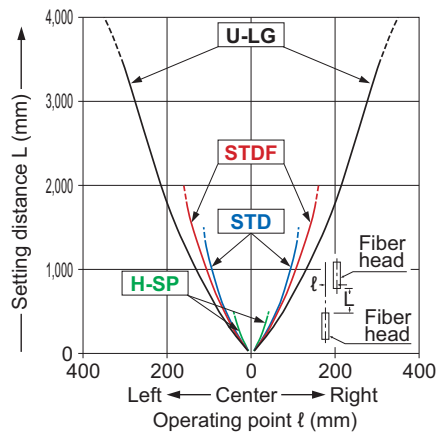
Common for horizontal and vertical direction



### FT-HL80Y

Thru-beam type

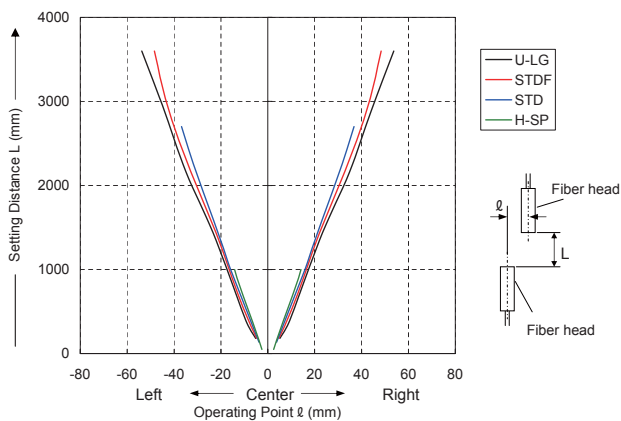
Common for horizontal and vertical direction



### FT-KS40

Thru-beam type

Common for horizontal and vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

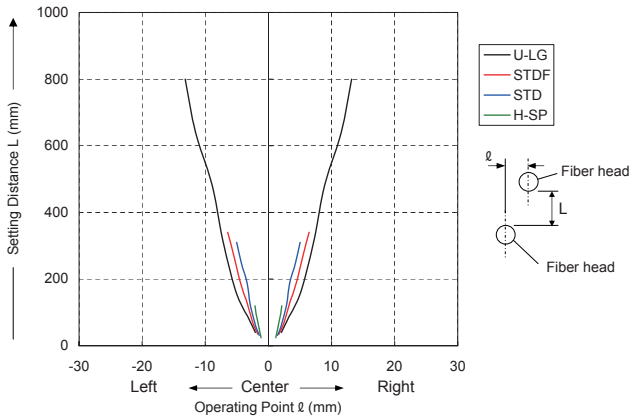
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

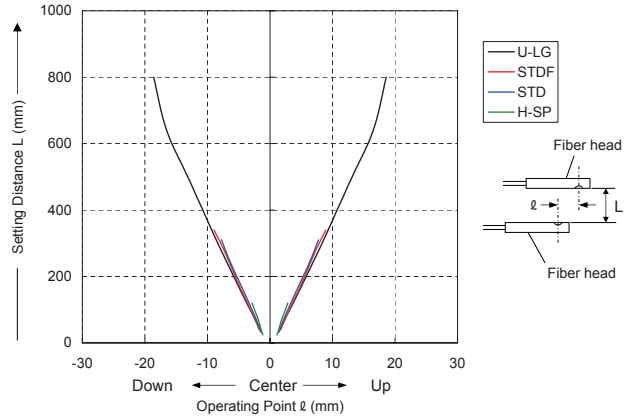
## FT-KV26

Thru-beam type

Horizontal direction



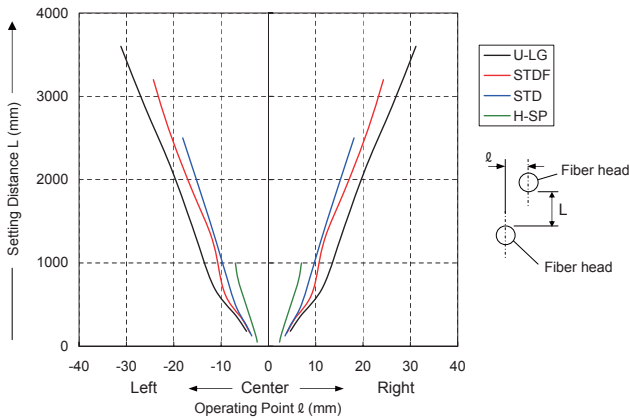
Vertical direction



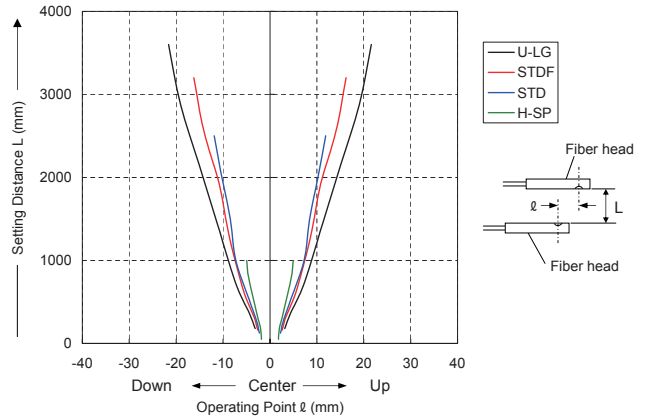
## FT-KV40

Thru-beam type

Horizontal direction



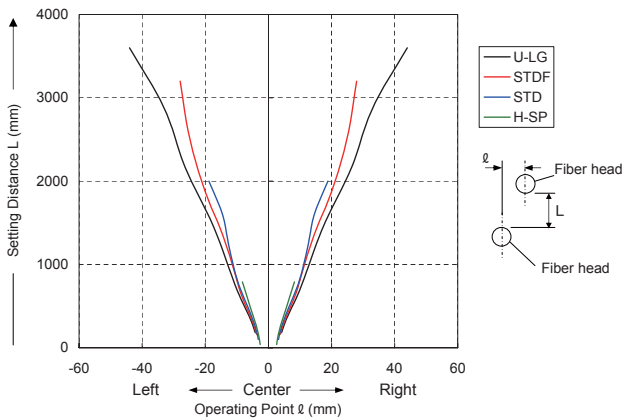
Vertical direction



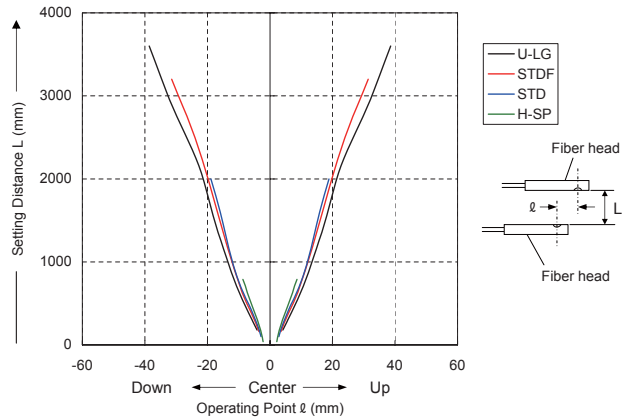
## FT-KV40W

Thru-beam type

Horizontal direction



Vertical direction





# SENSING CHARACTERISTICS (TYPICAL)

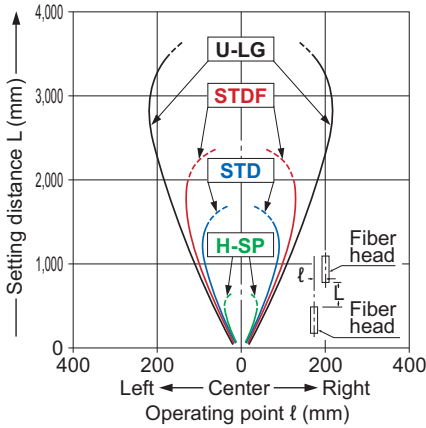
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

## FT-L80Y

Thru-beam type

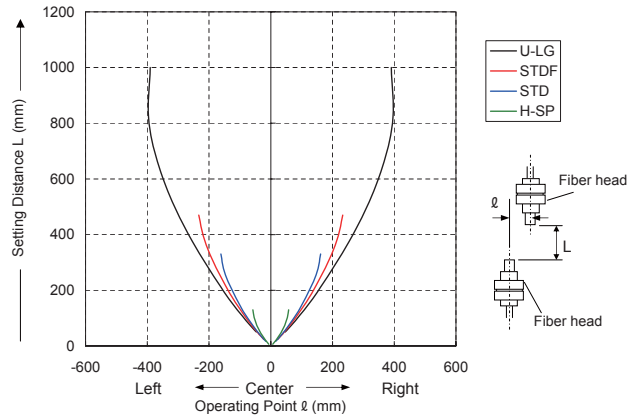
Common for horizontal and vertical direction



## FT-R40

Thru-beam type

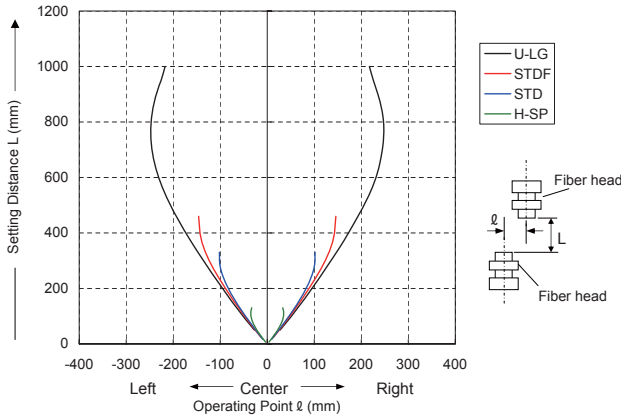
Common for horizontal and vertical direction



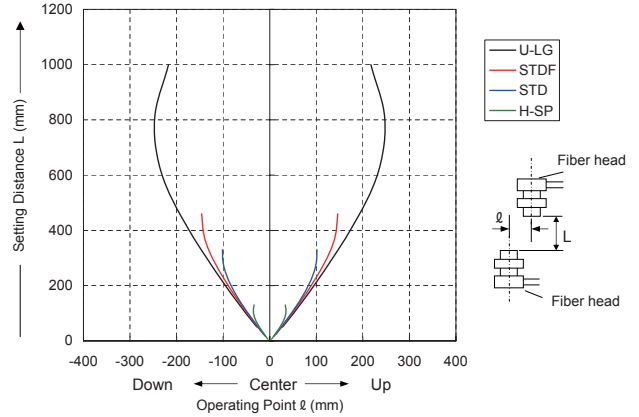
## FT-R41W

Thru-beam type

Horizontal direction



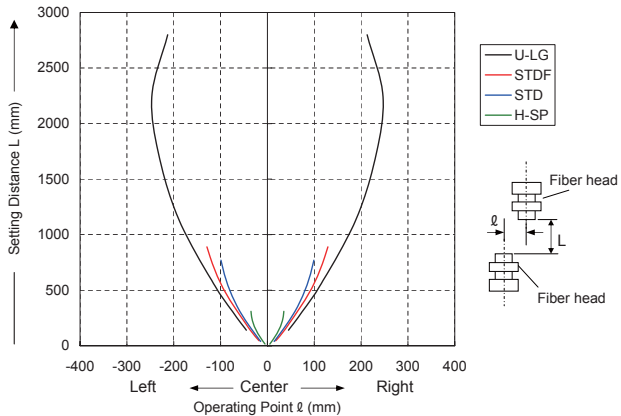
Vertical direction



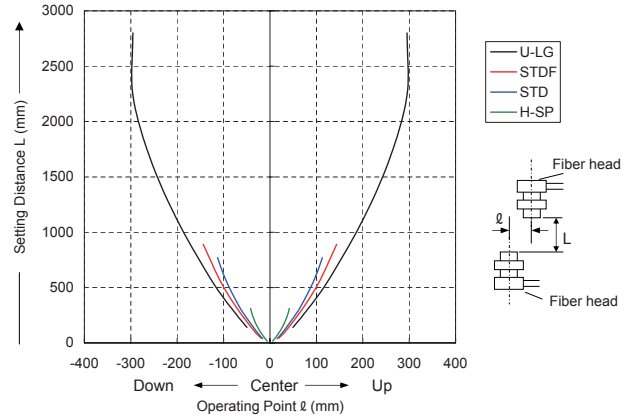
## FT-R42W

Thru-beam type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

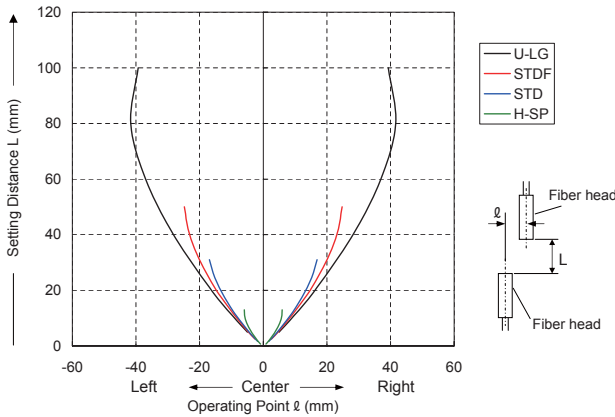
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

## FT-S11

Thru-beam type

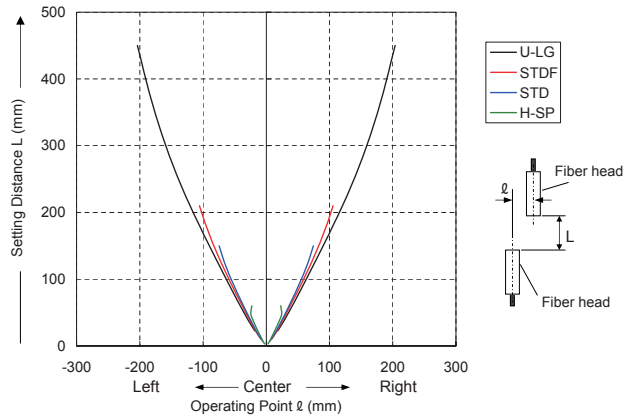
Common for horizontal and vertical direction



## FT-S20

Thru-beam type

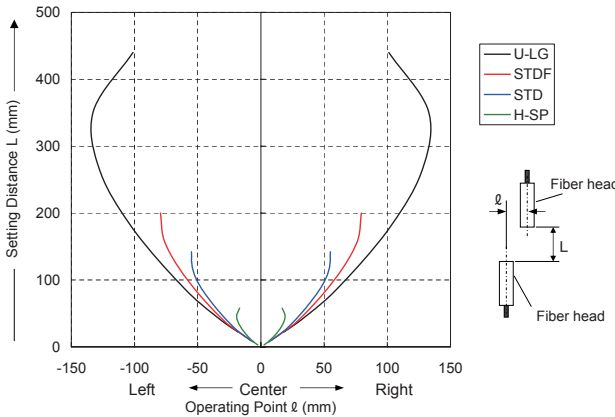
Common for horizontal and vertical direction



## FT-S21

Thru-beam type

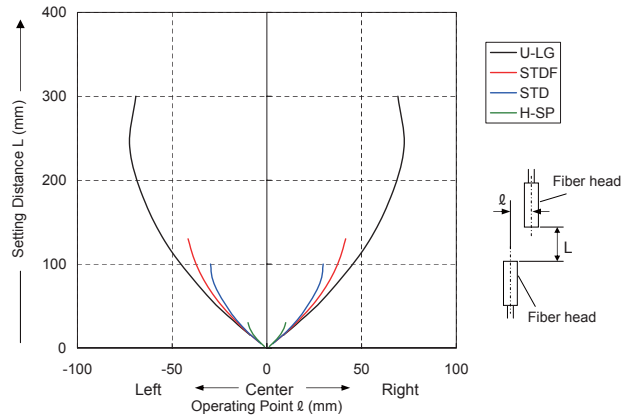
Common for horizontal and vertical direction



## FT-S21W

Thru-beam type

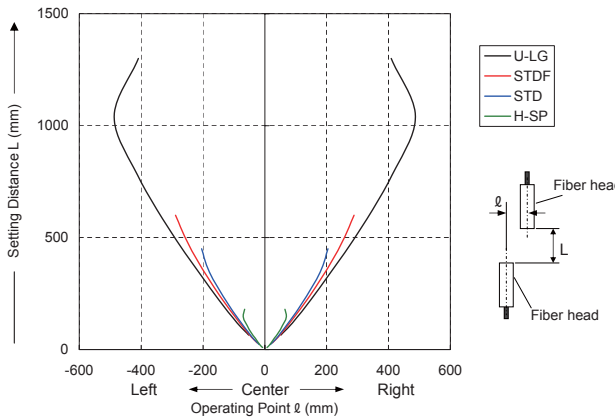
Common for horizontal and vertical direction



## FT-S30

Thru-beam type

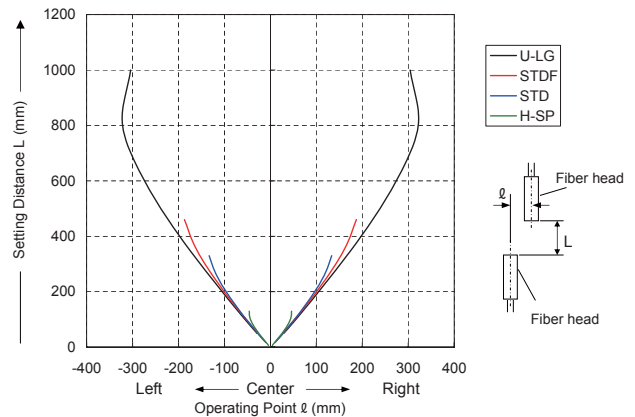
Common for horizontal and vertical direction



## FT-S31W

Thru-beam type

Common for horizontal and vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

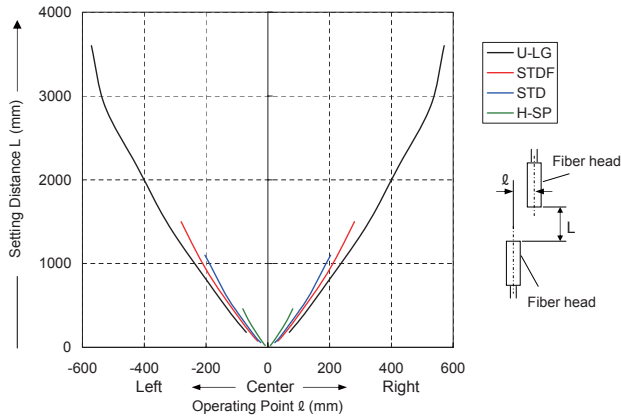
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

## FT-S32

Thru-beam type

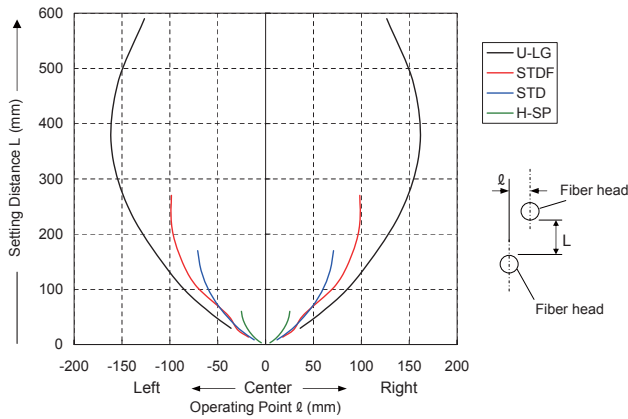
Common for horizontal and vertical direction



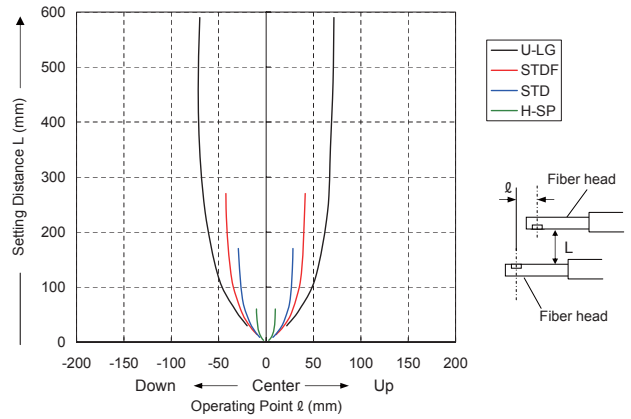
## FT-V23

Thru-beam type

Horizontal direction



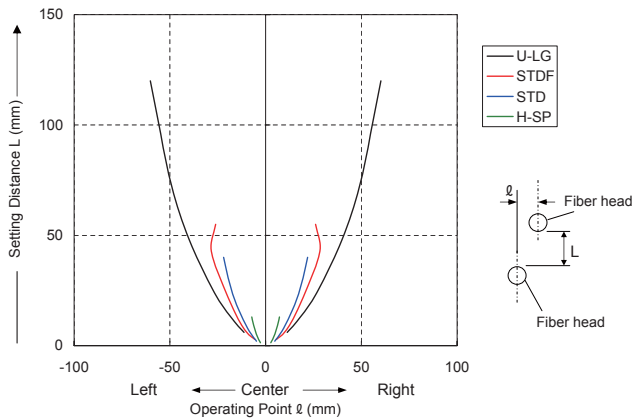
Vertical direction



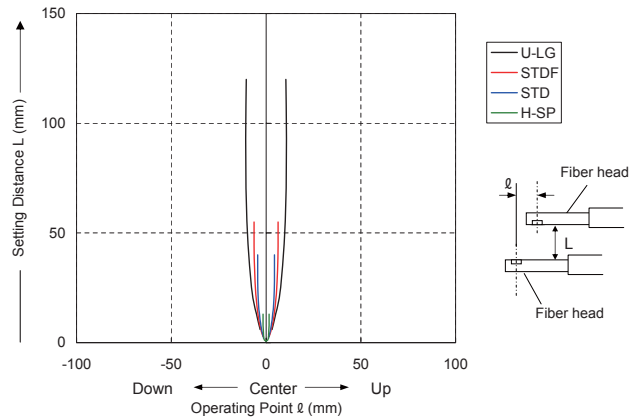
## FT-V24W

Thru-beam type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

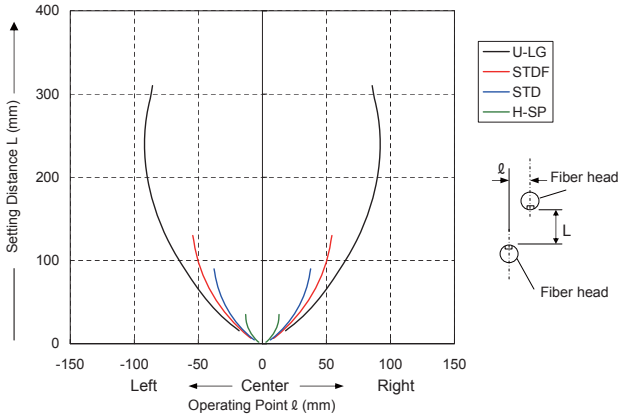
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

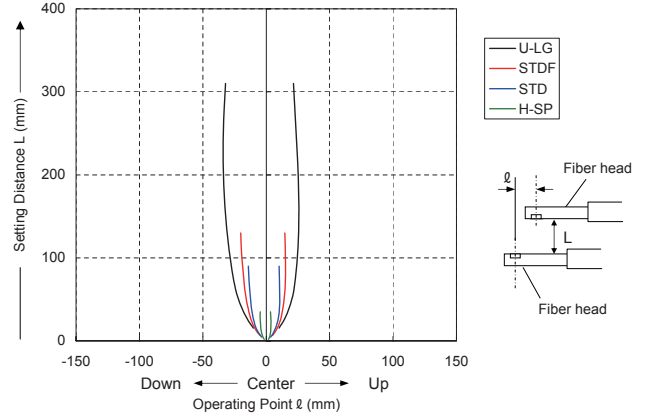
## FT-V25

Thru-beam type

Horizontal direction



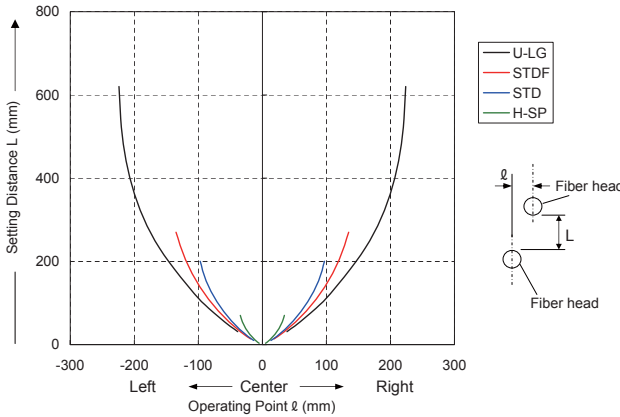
Vertical direction



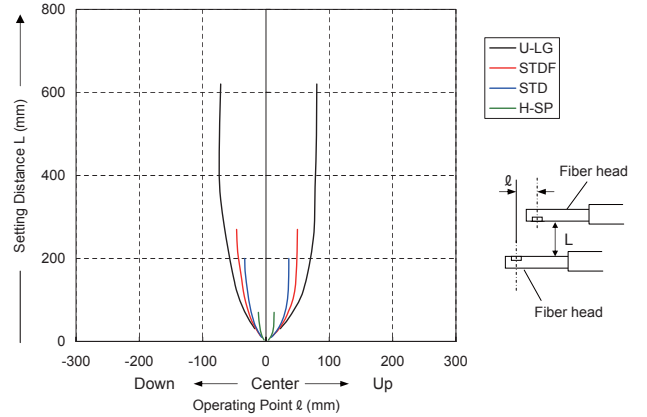
## FT-V30

Thru-beam type

Horizontal direction



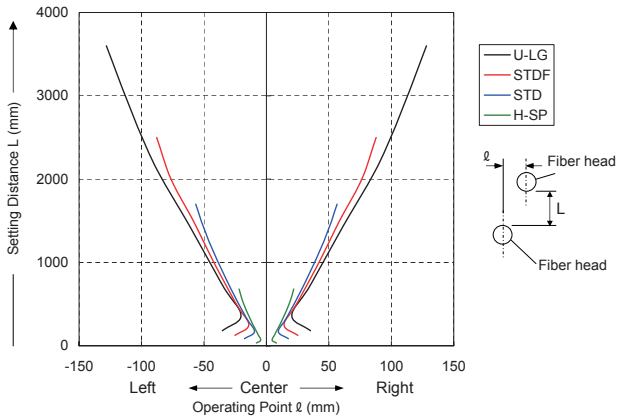
Vertical direction



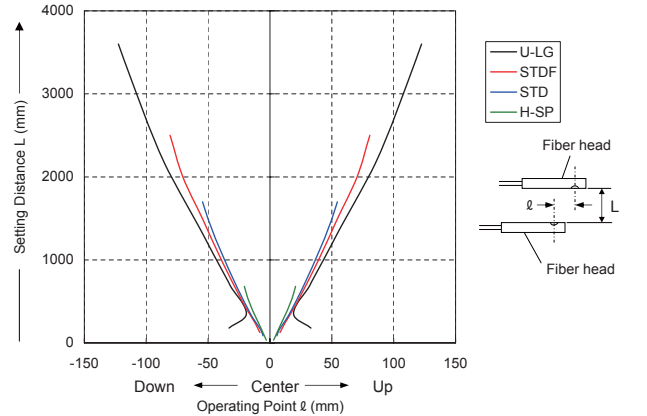
## FT-V40

Thru-beam type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

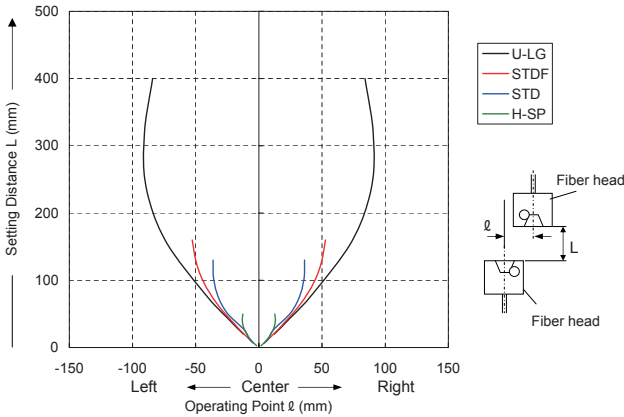
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

## FT-Z20HBW

Thru-beam type

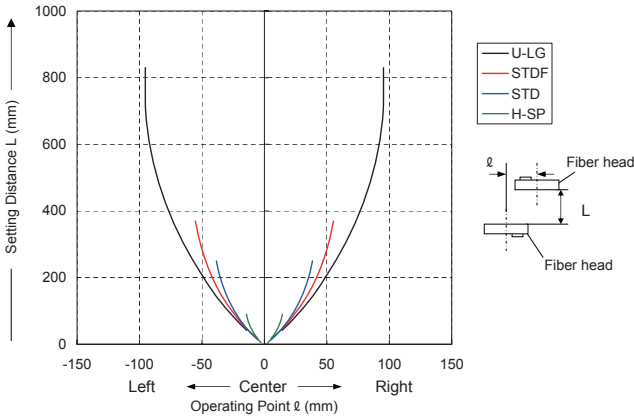
Common for horizontal and vertical direction



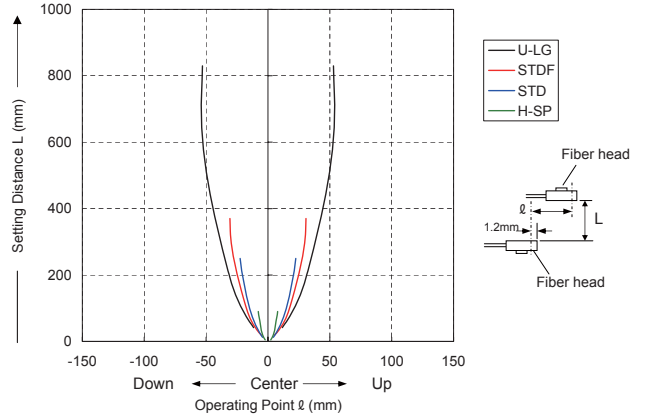
## FT-Z20W

Thru-beam type

Horizontal direction



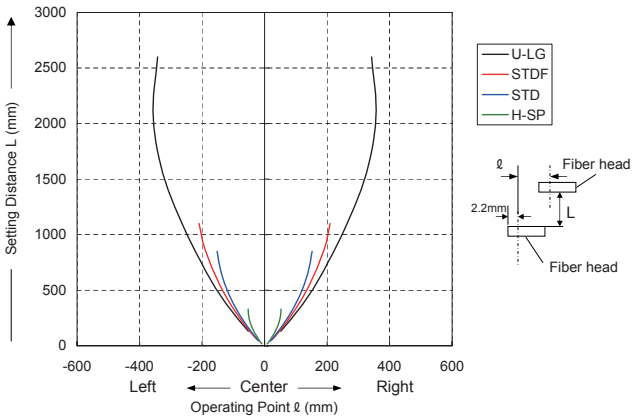
Vertical direction



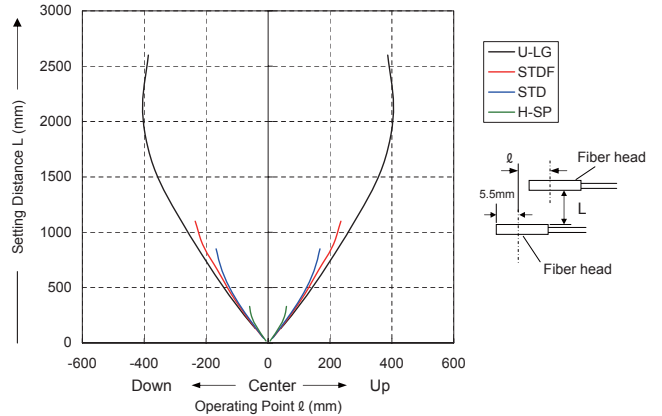
## FT-Z30

Thru-beam type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

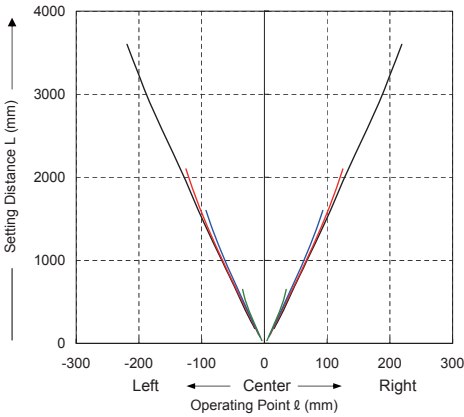
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

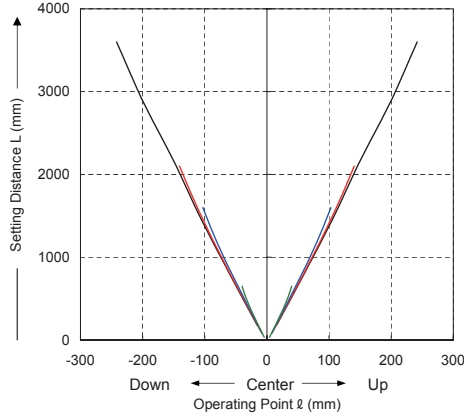
## FT-Z30E

Thru-beam type

Horizontal direction



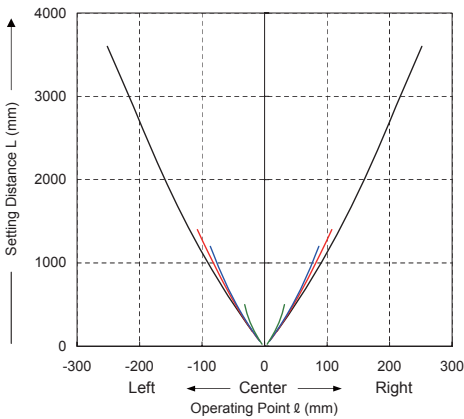
Vertical direction



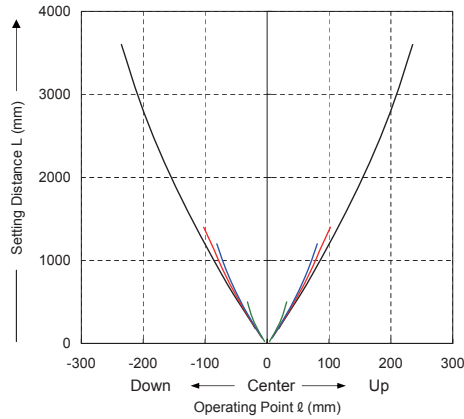
## FT-Z30EW

Thru-beam type

Horizontal direction



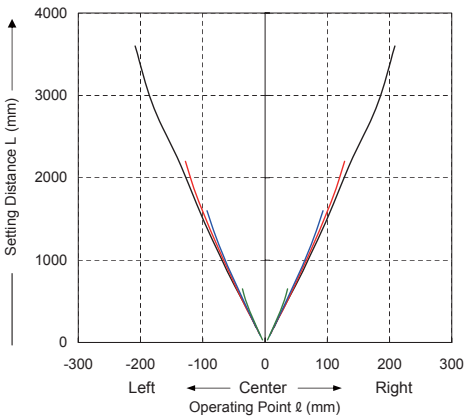
Vertical direction



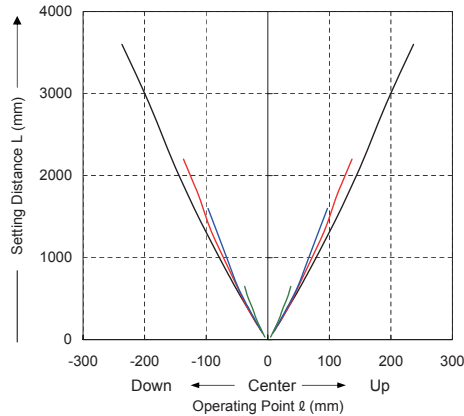
## FT-Z30H

Thru-beam type

Horizontal direction



Vertical direction



## SENSING CHARACTERISTICS (TYPICAL)

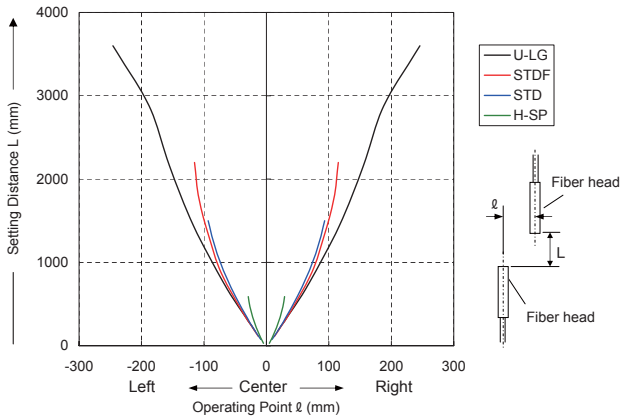
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

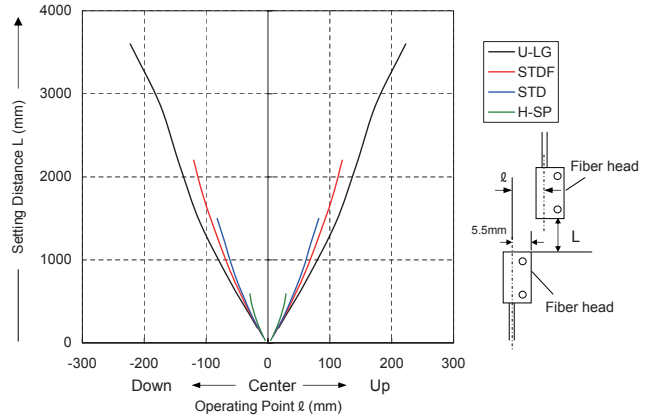
### FT-Z30HW

Thru-beam type

Horizontal direction



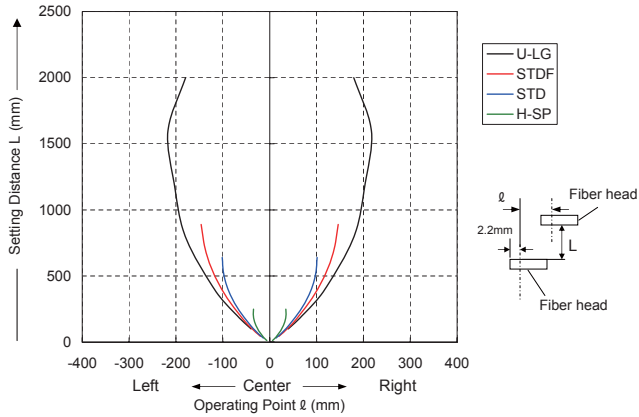
Vertical direction



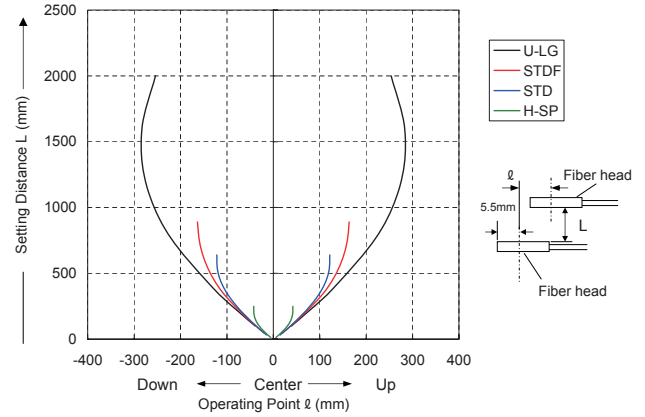
### FT-Z30W

Thru-beam type

Horizontal direction



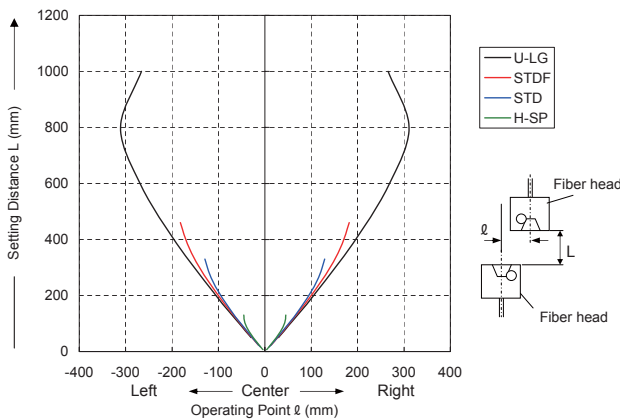
Vertical direction



### FT-Z40HBW

Thru-beam type

Common for horizontal and vertical direction



## SENSING CHARACTERISTICS (TYPICAL)

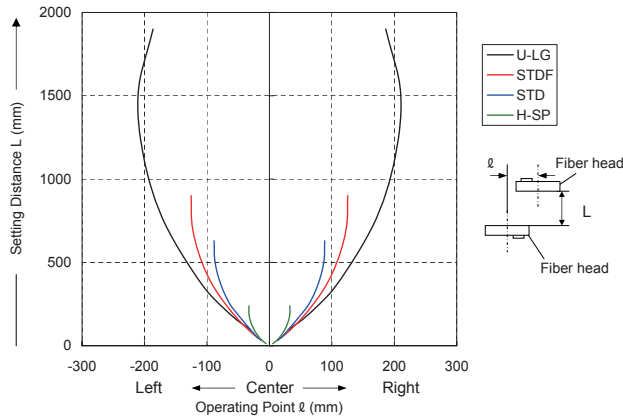
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Thru-beam type Parallel deviation** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

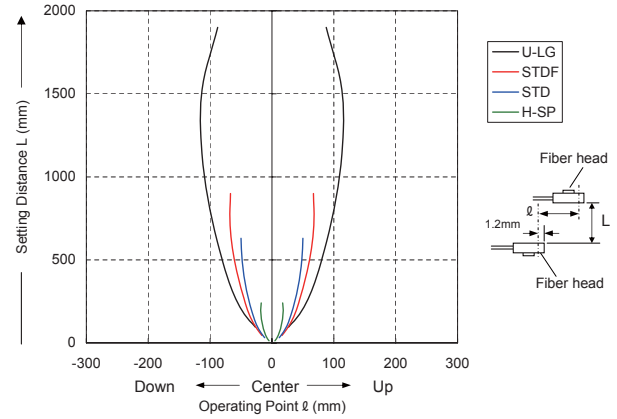
### FT-Z40W

Thru-beam type

Horizontal direction



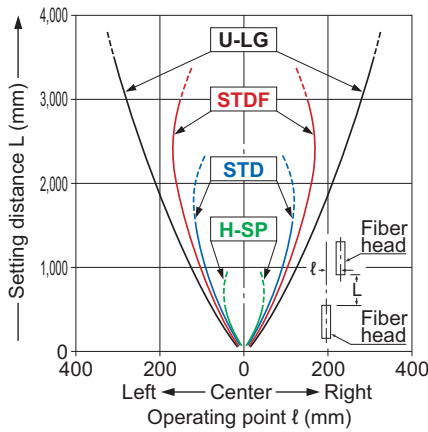
Vertical direction



### FT-Z802Y

Thru-beam type

Common for horizontal and vertical direction



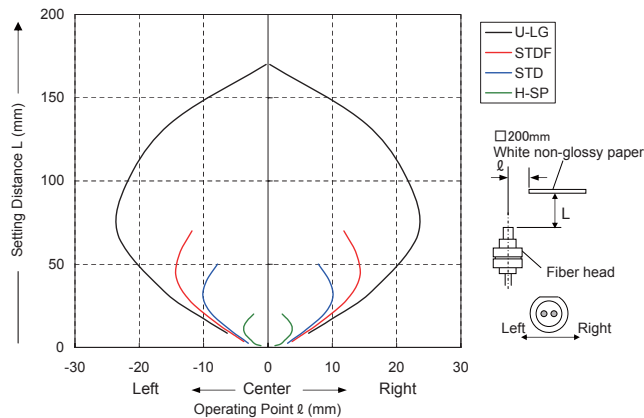
## Reflective type Sensing field

Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

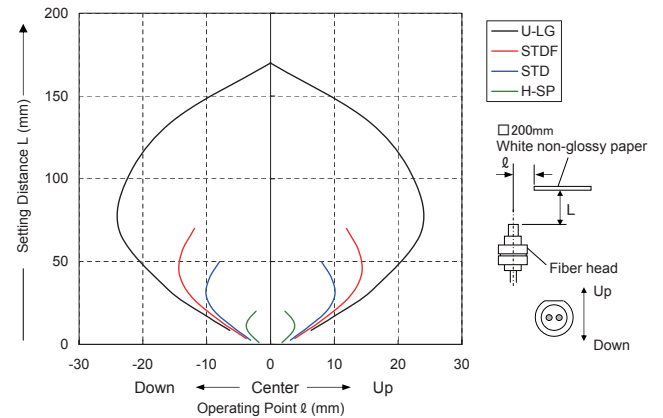
### FD-30

Reflective type

Horizontal direction



Vertical direction





# SENSING CHARACTERISTICS (TYPICAL)

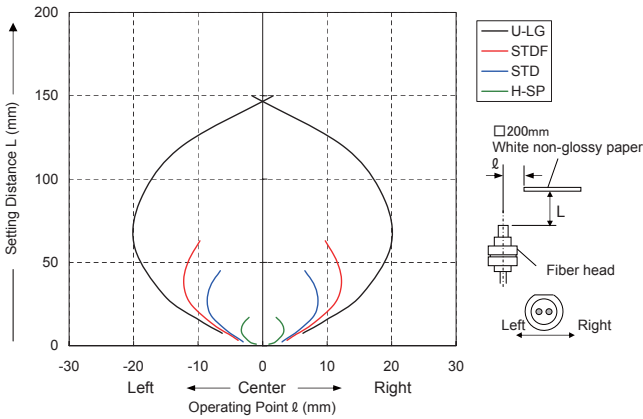
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

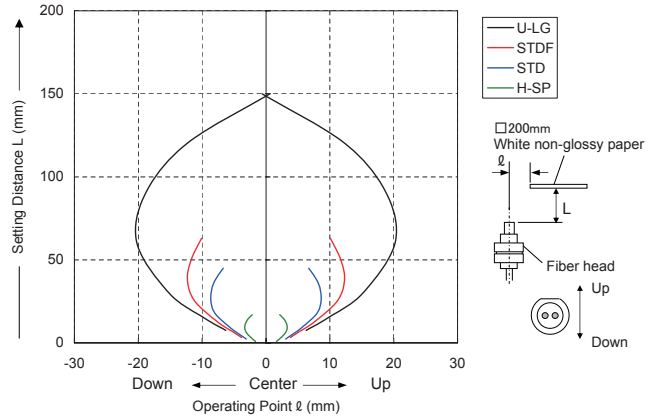
## FD-31

Reflective type

Horizontal direction



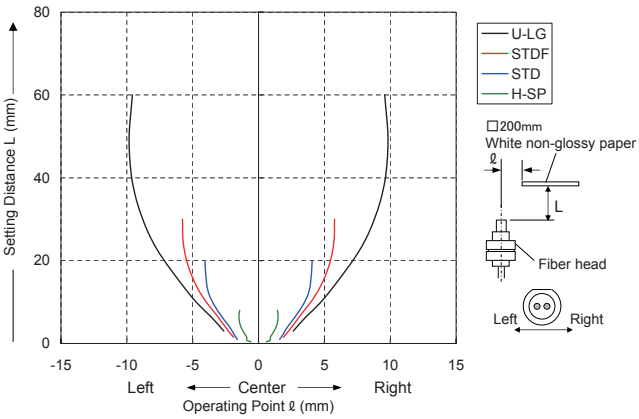
Vertical direction



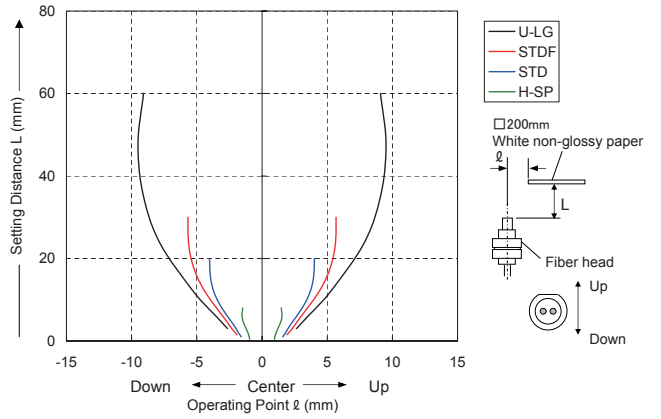
## FD-31W

Reflective type

Horizontal direction



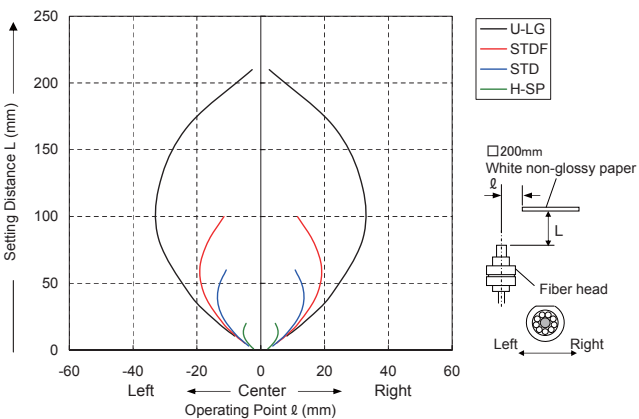
Vertical direction



## FD-32G

Reflective type

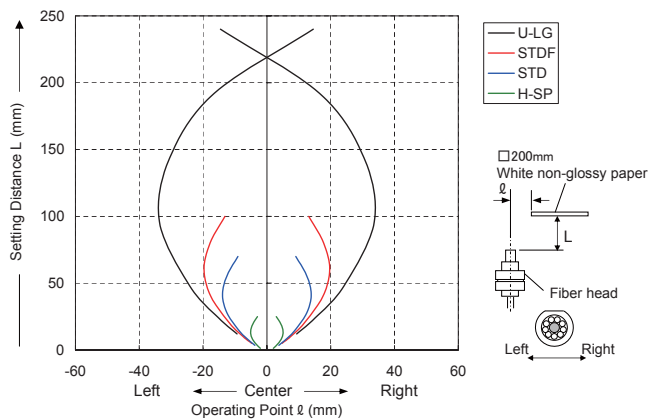
Common for horizontal and vertical direction



## FD-32GX

Reflective type

Common for horizontal and vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

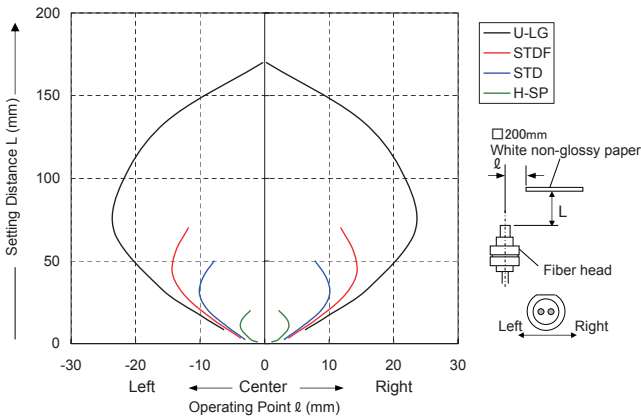
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

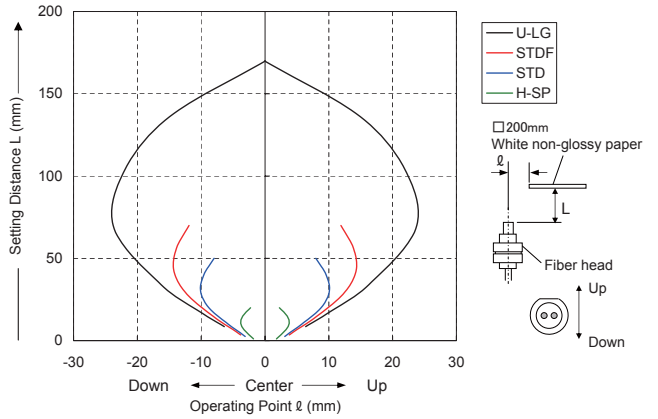
## FD-40

Reflective type

Horizontal direction



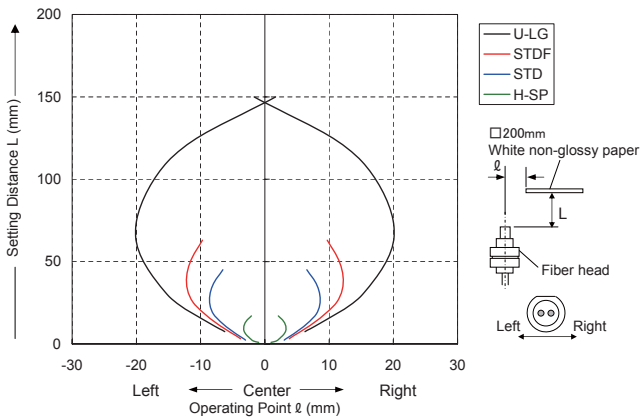
Vertical direction



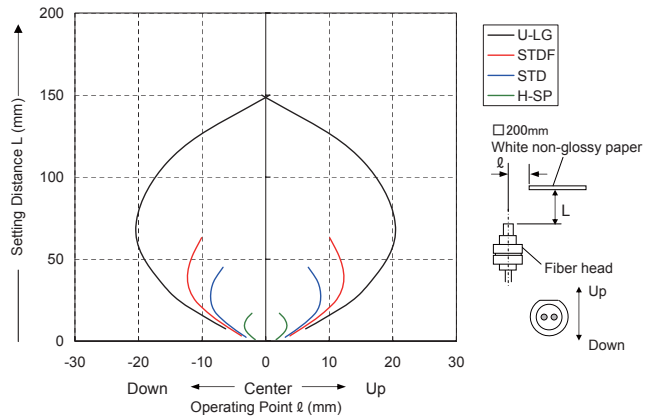
## FD-41

Reflective type

Horizontal direction



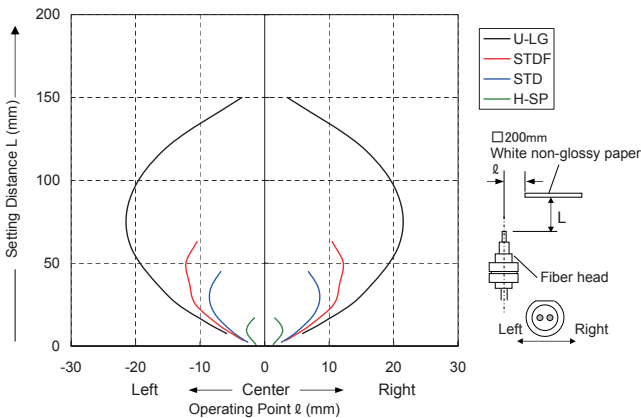
Vertical direction



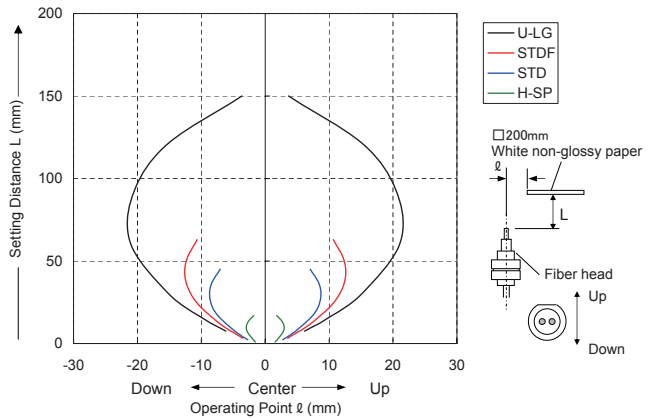
## FD-41S

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

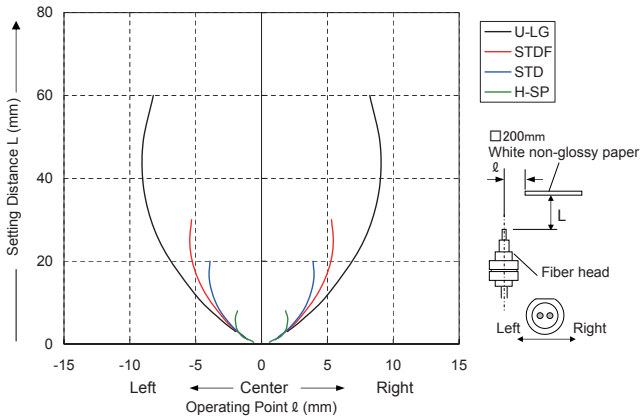
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

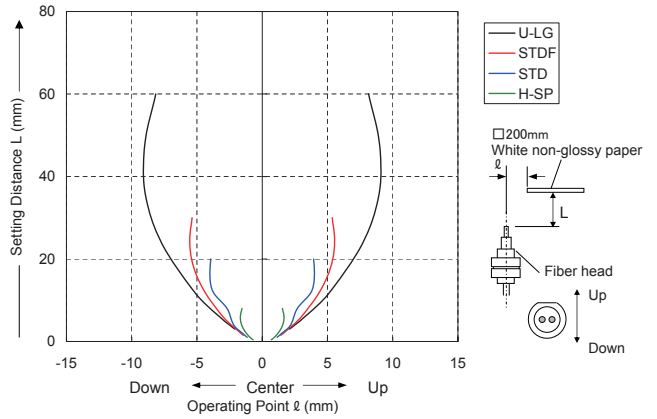
## FD-41SW

Reflective type

Horizontal direction



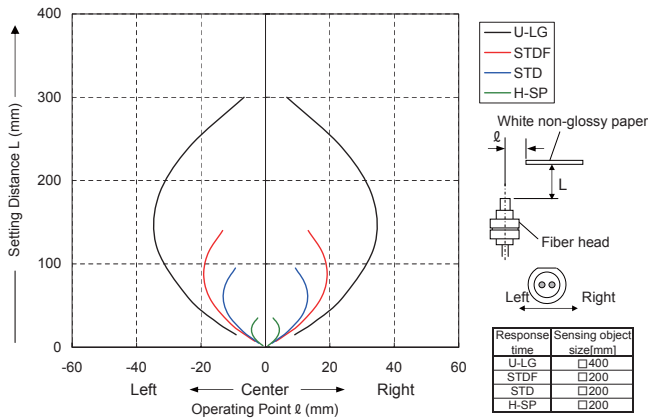
Vertical direction



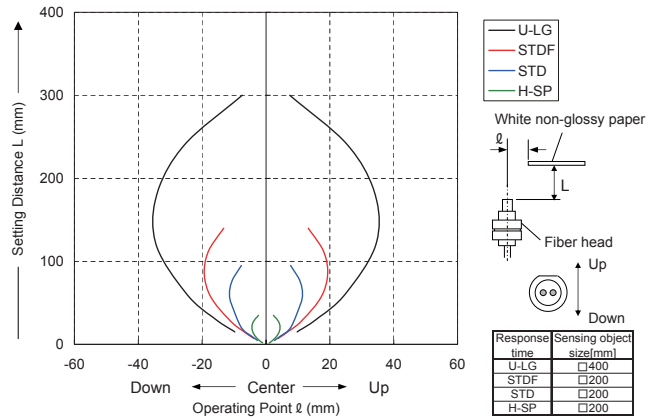
## FD-41W

Reflective type

Horizontal direction



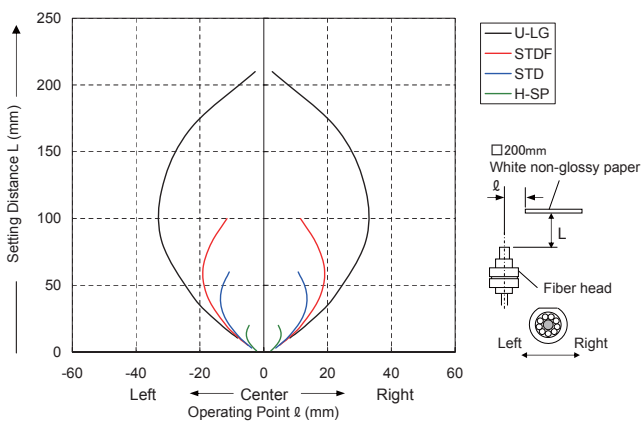
Vertical direction



## FD-42G

Reflective type

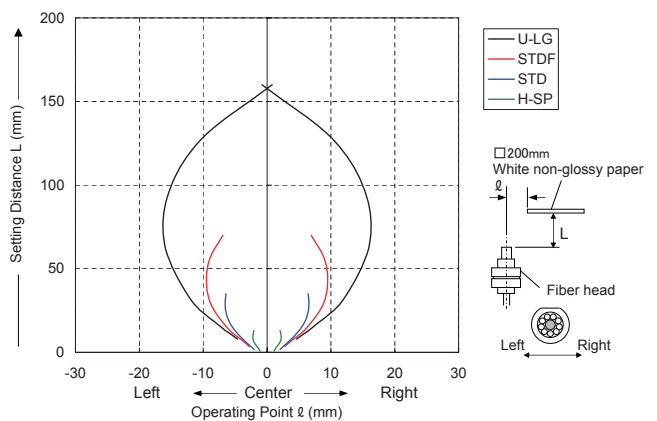
Common for horizontal and vertical direction



## FD-42GW

Reflective type

Common for horizontal and vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

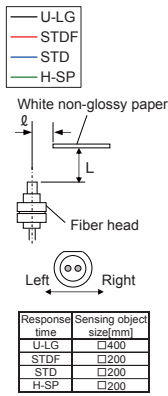
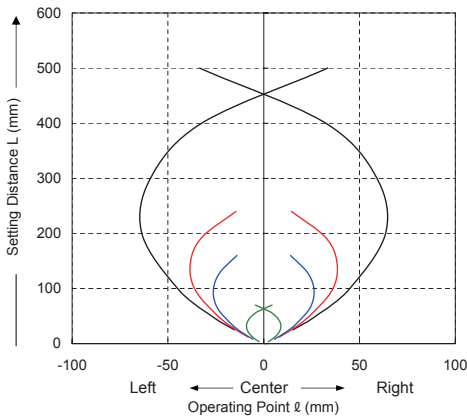
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

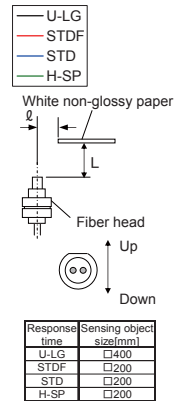
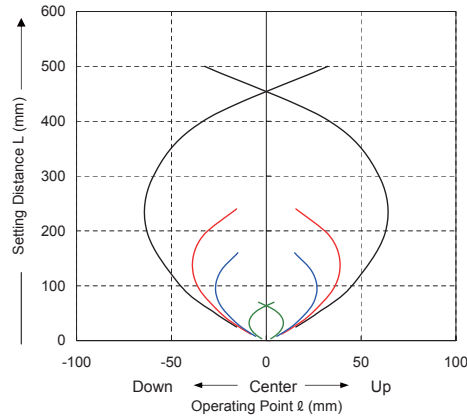
## FD-60

Reflective type

Horizontal direction



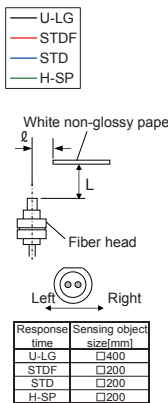
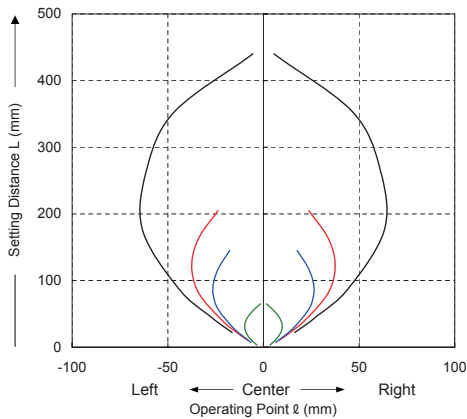
Vertical direction



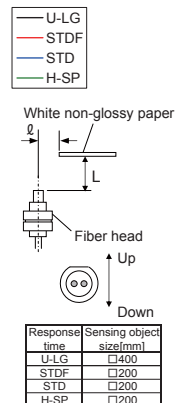
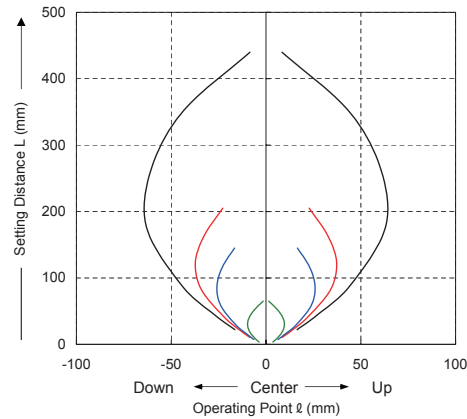
## FD-61

Reflective type

Horizontal direction



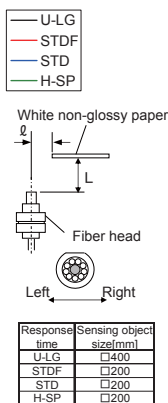
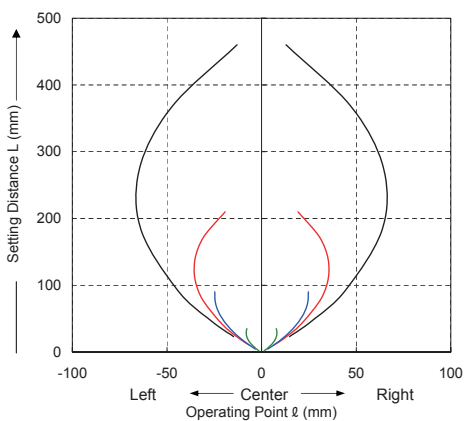
Vertical direction



## FD-61G

Reflective type

Common for horizontal and vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

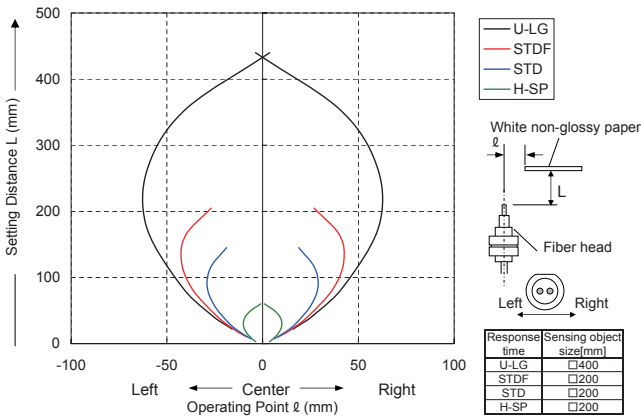
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

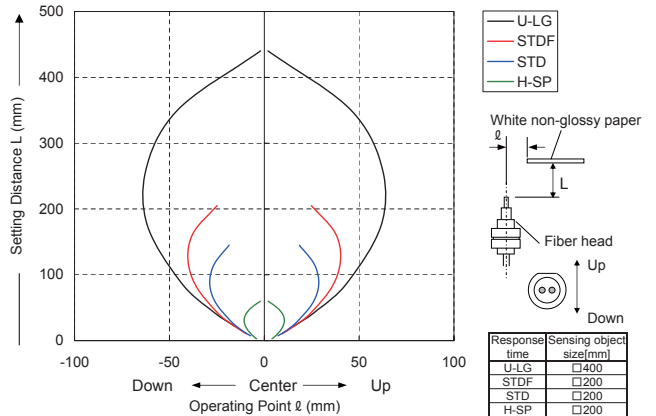
## FD-61S

Reflective type

Horizontal direction



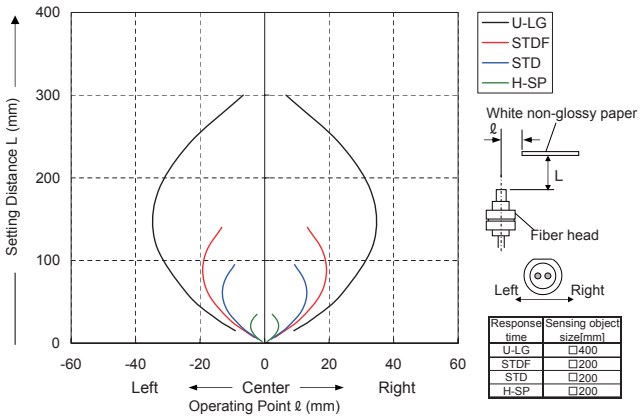
Vertical direction



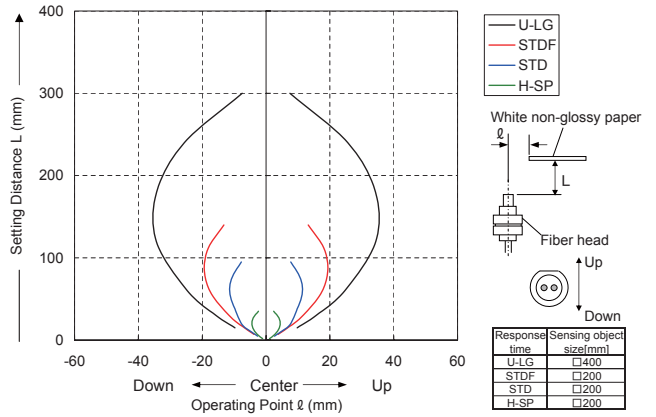
## FD-61W

Reflective type

Horizontal direction



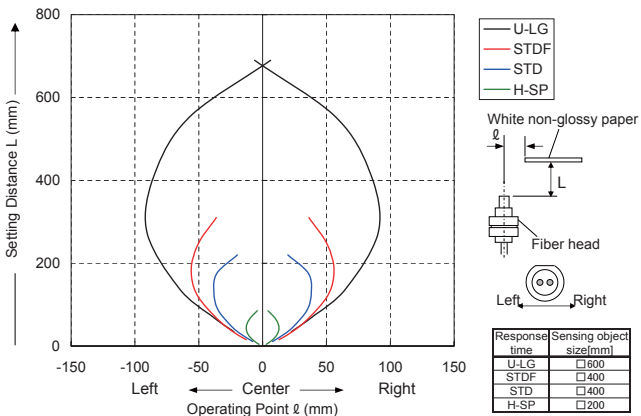
Vertical direction



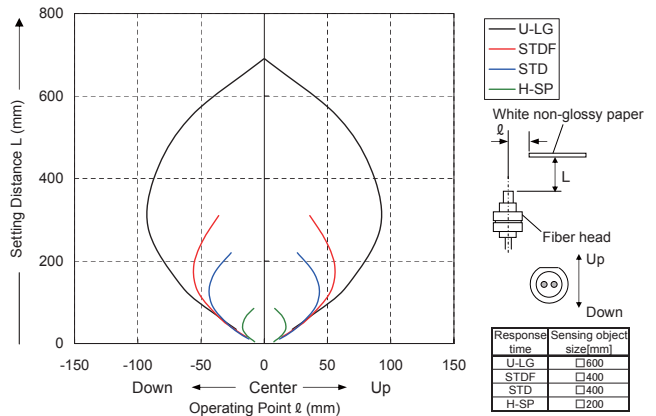
## FD-62

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

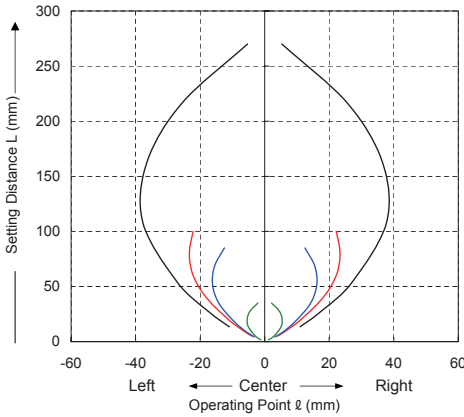
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

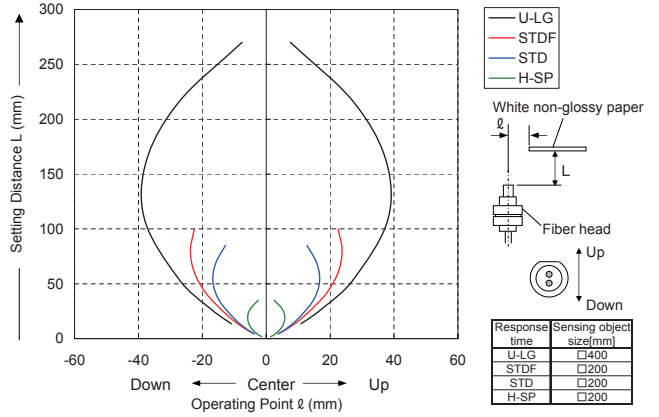
## FD-64X

Reflective type

Horizontal direction



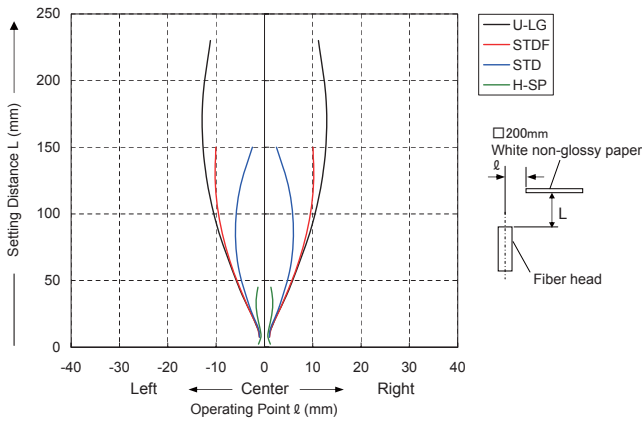
Vertical direction



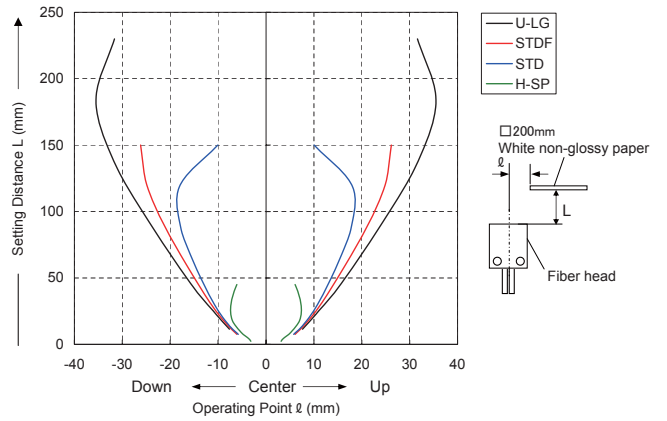
## FD-A16

Reflective type

Horizontal direction



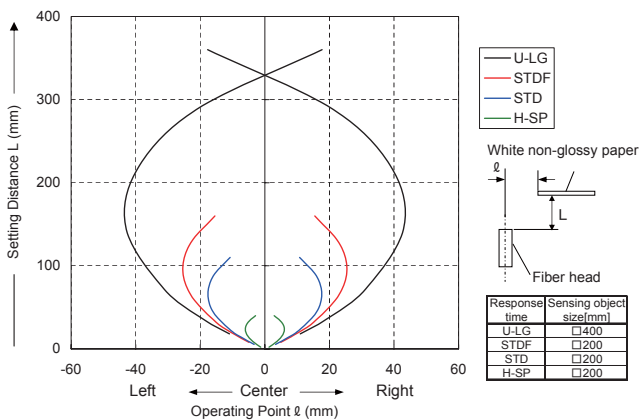
Vertical direction



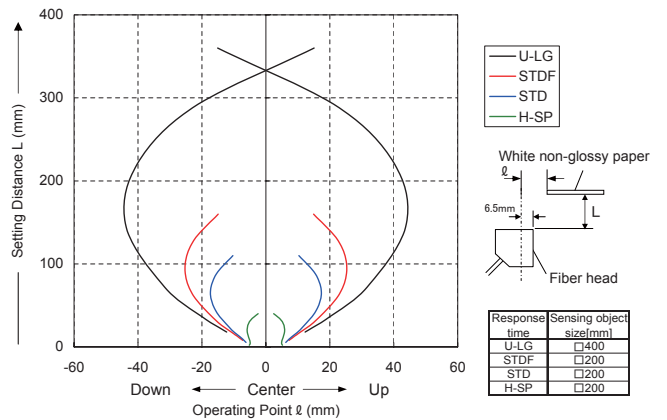
## FD-AL11

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

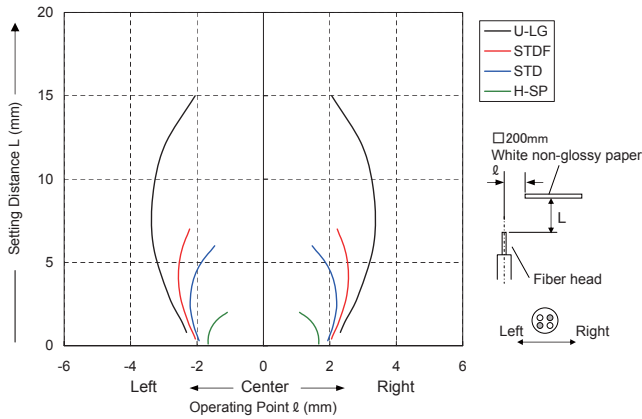
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

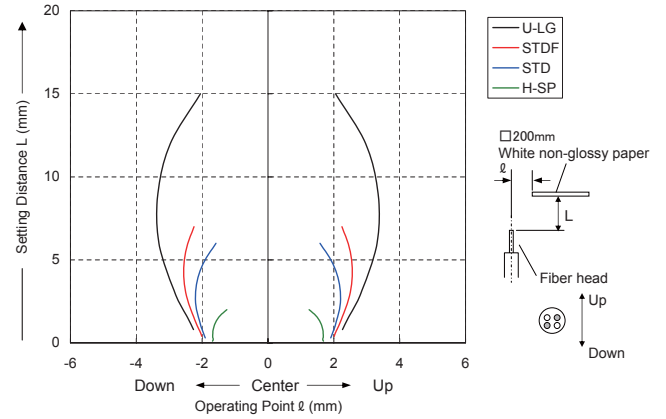
## FD-E13

Reflective type

Horizontal direction



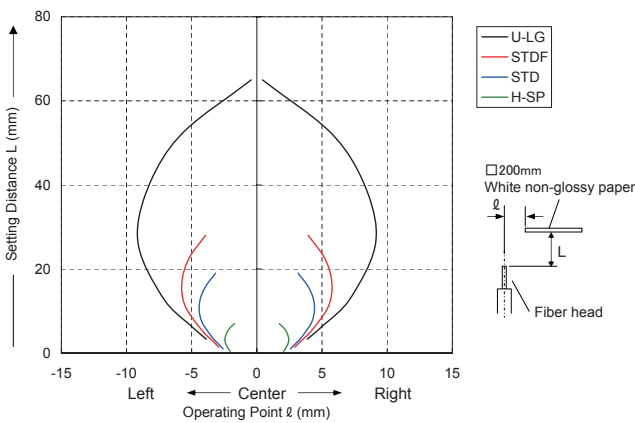
Vertical direction



## FD-E23

Reflective type

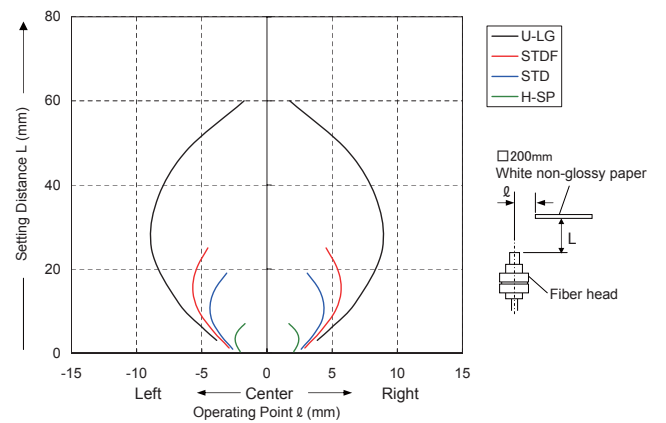
Common for horizontal and vertical direction



## FD-EG30

Reflective type

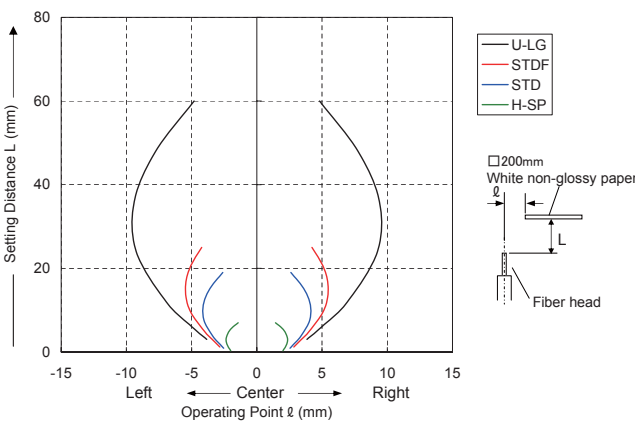
Common for horizontal and vertical direction



## FD-EG30S

Reflective type

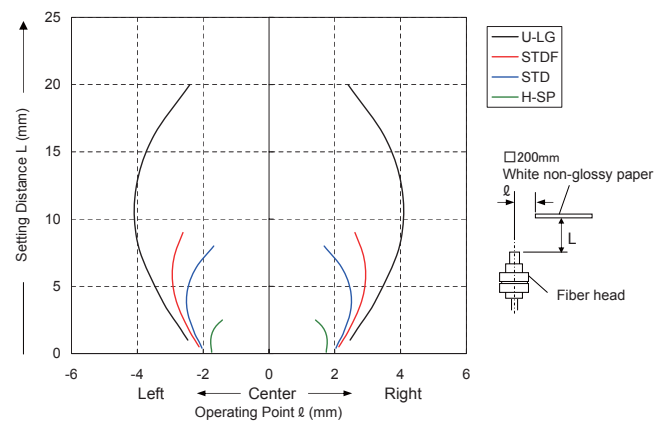
Common for horizontal and vertical direction



## FD-EG31

Reflective type

Common for horizontal and vertical direction



## SENSING CHARACTERISTICS (TYPICAL)

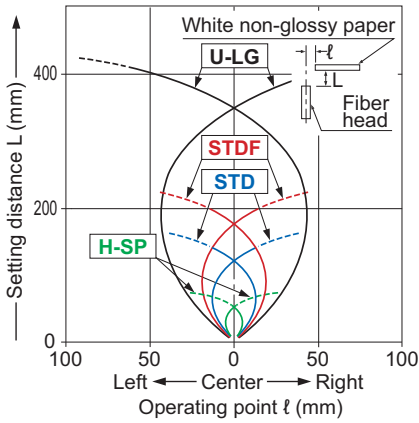
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

### FD-H13-FM2

Reflective type

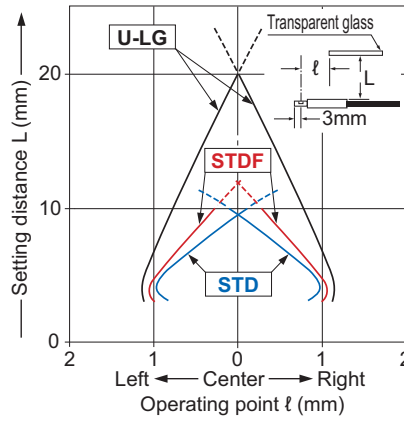
Common for horizontal and vertical direction



### FD-H18-L31

Reflective type

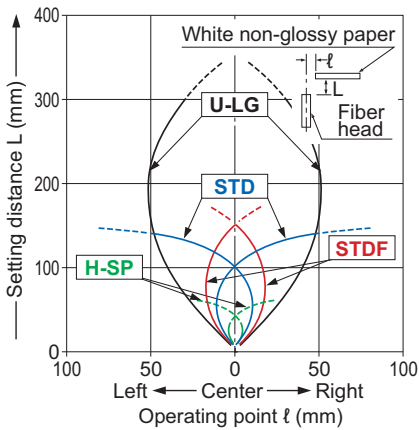
Common for horizontal and vertical direction



### FD-H20-21

Reflective type

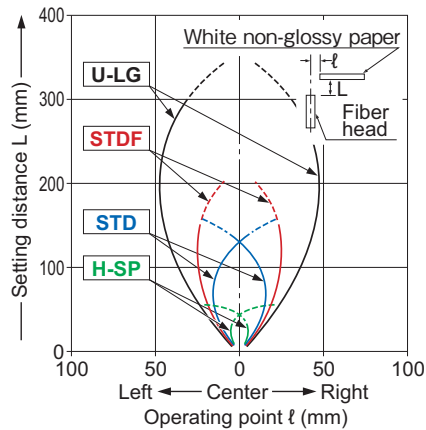
Common for horizontal and vertical direction



### FD-H20-M1

Reflective type

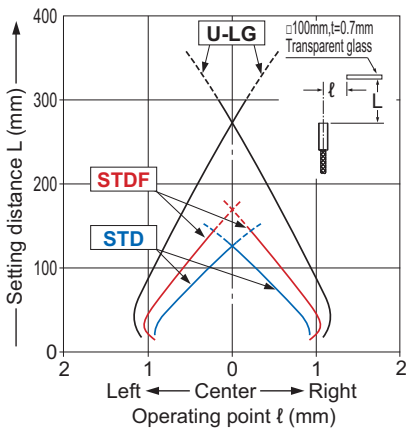
Common for horizontal and vertical direction



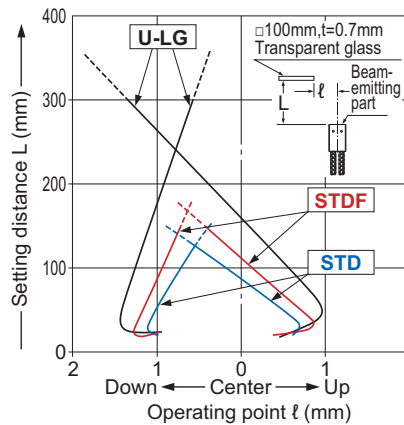
### FD-H30-KZ1V-S

Reflective type

Horizontal direction



Vertical direction





# SENSING CHARACTERISTICS (TYPICAL)

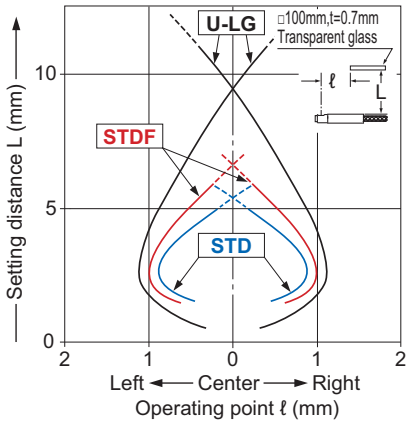
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

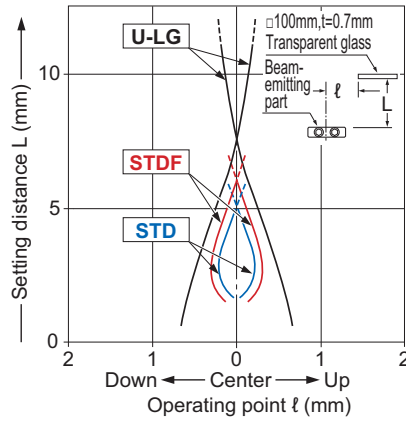
## FD-H30-L32V-S

Reflective type

Horizontal direction



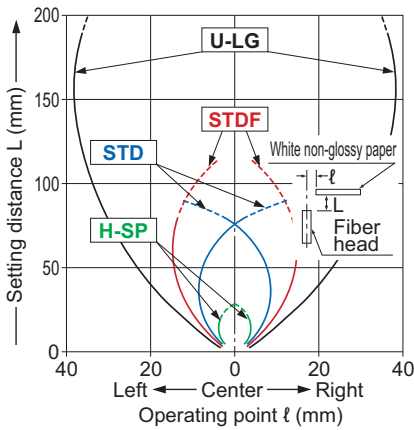
Vertical direction



## FD-H35-20S

Reflective type

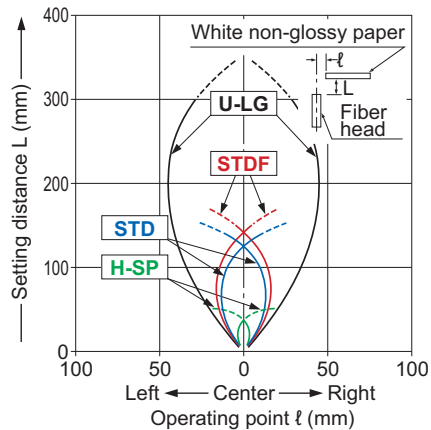
Common for horizontal and vertical direction



## FD-H35-M2 FD-H35-M2S6

Reflective type

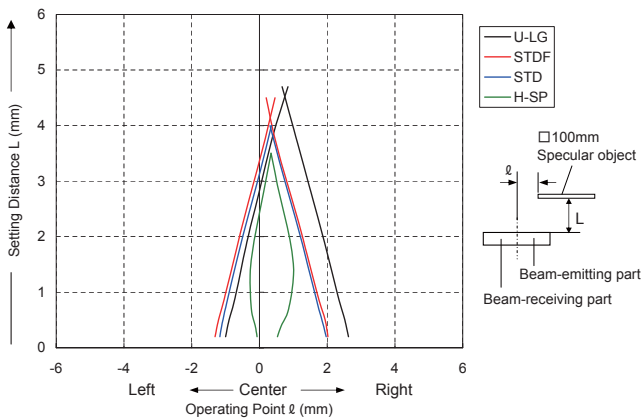
Common for horizontal and vertical direction



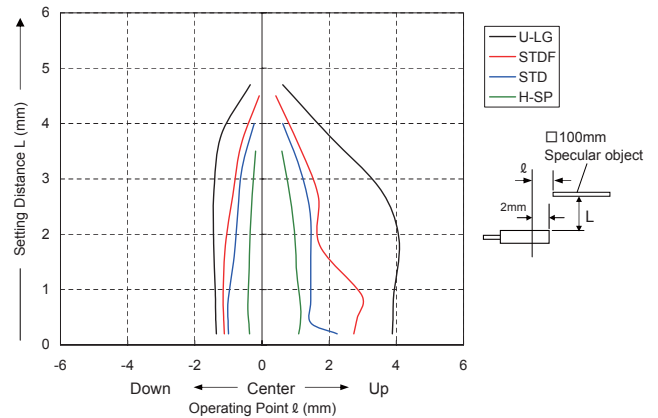
## FD-L10

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

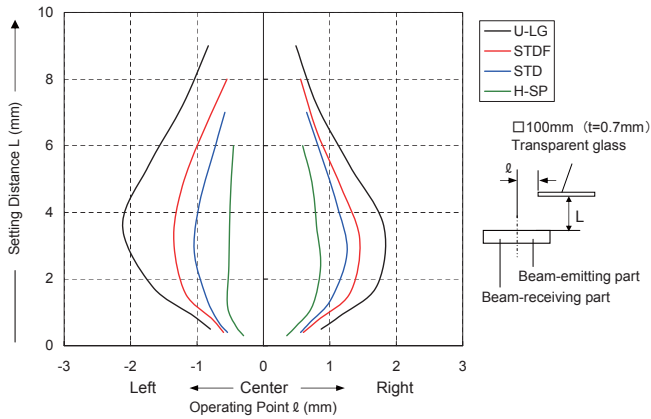
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

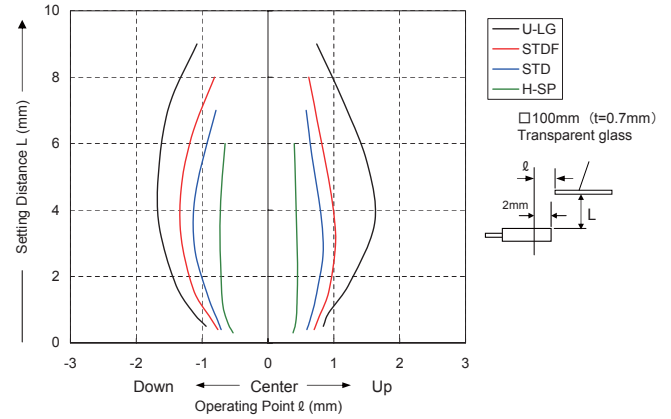
## FD-L11

Reflective type

Horizontal direction



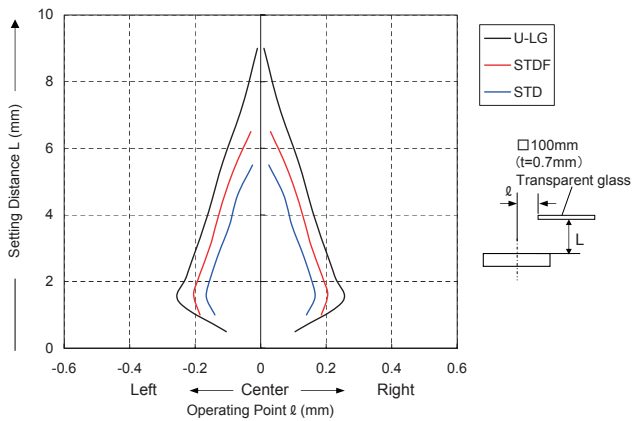
Vertical direction



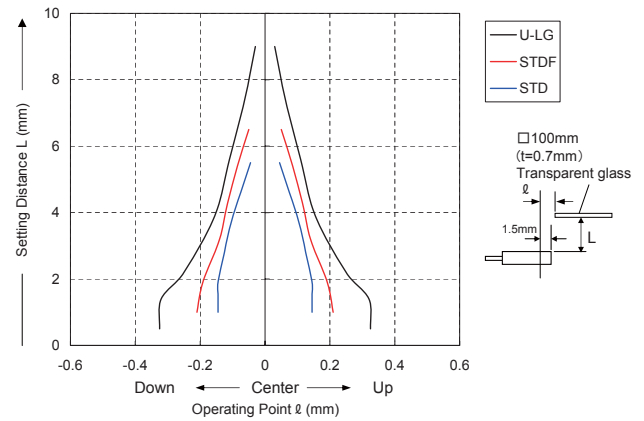
## FD-L12W

Reflective type

Horizontal direction



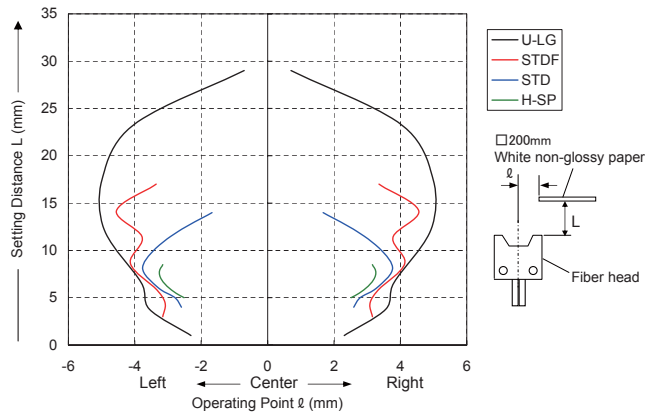
Vertical direction



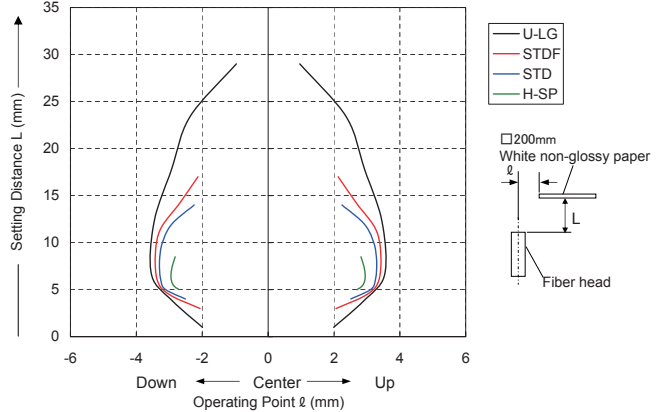
## FD-L20H

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

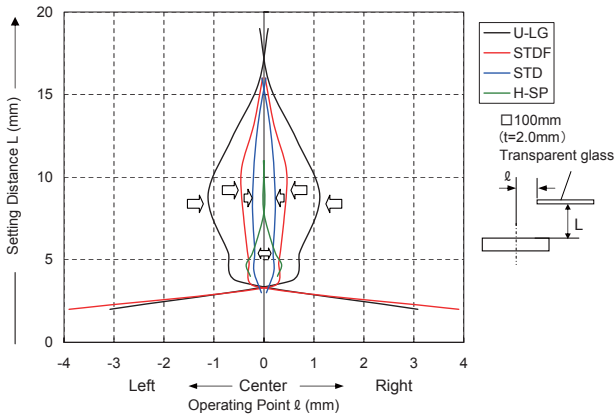
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

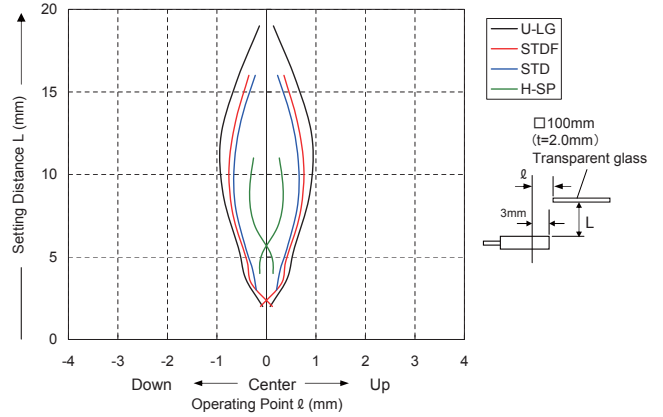
## FD-L21

Reflective type

Horizontal direction



Vertical direction

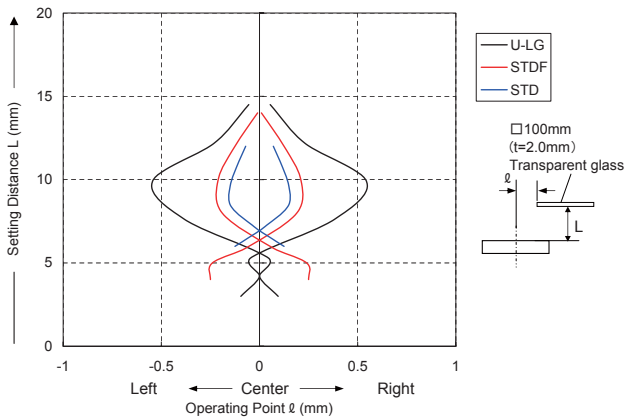


↔: Moving direction of sensing object

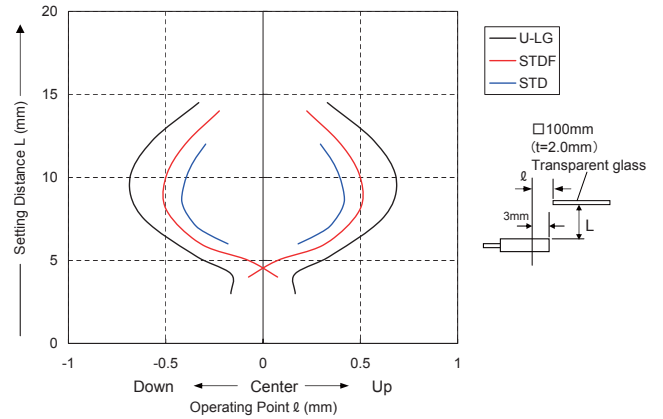
## FD-L21W

Reflective type

Horizontal direction



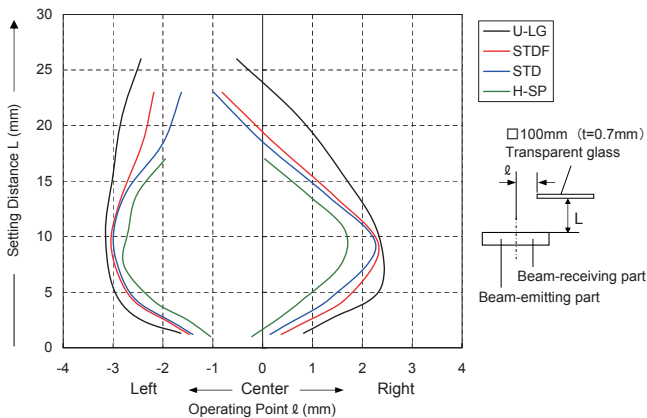
Vertical direction



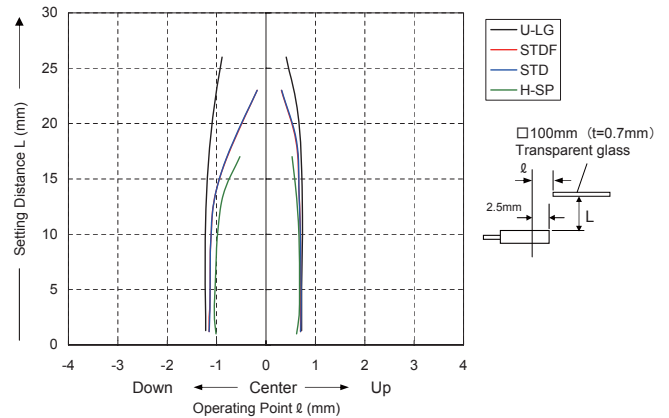
## FD-L22A

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

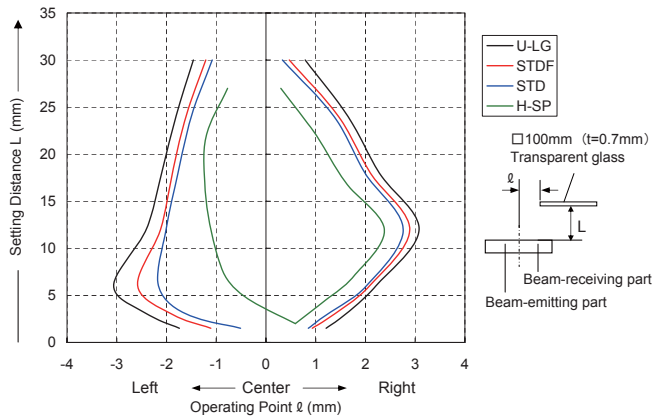
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

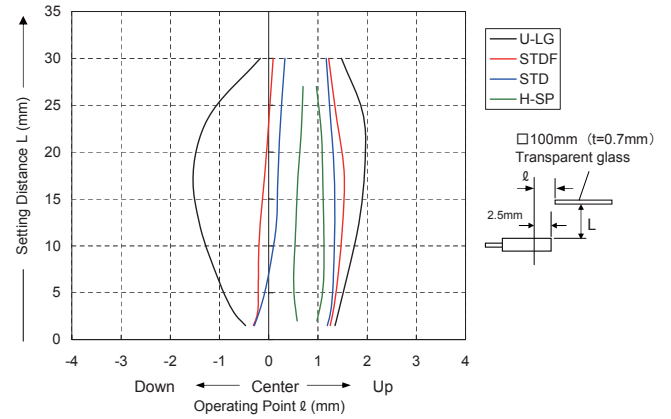
## FD-L23

Reflective type

Horizontal direction



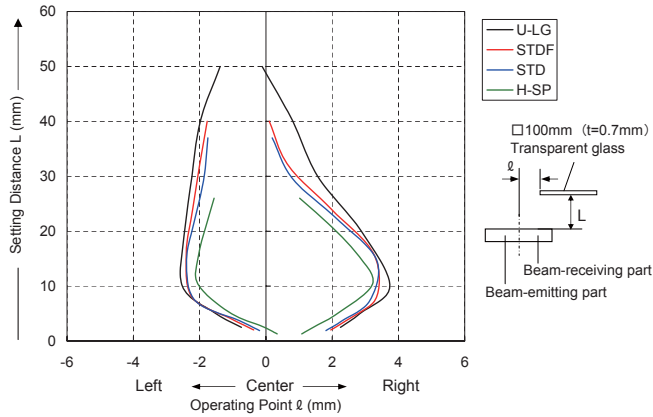
Vertical direction



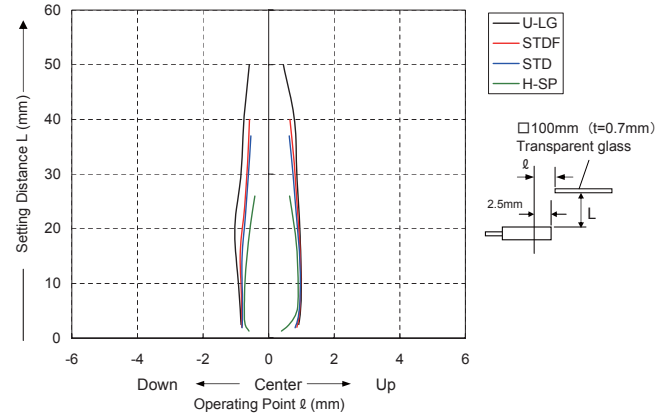
## FD-L30A

Reflective type

Horizontal direction



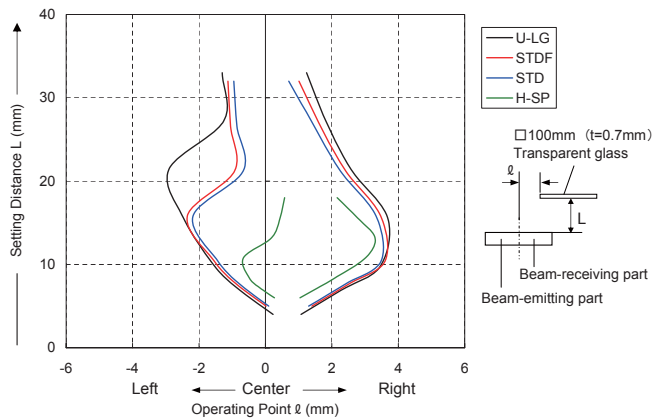
Vertical direction



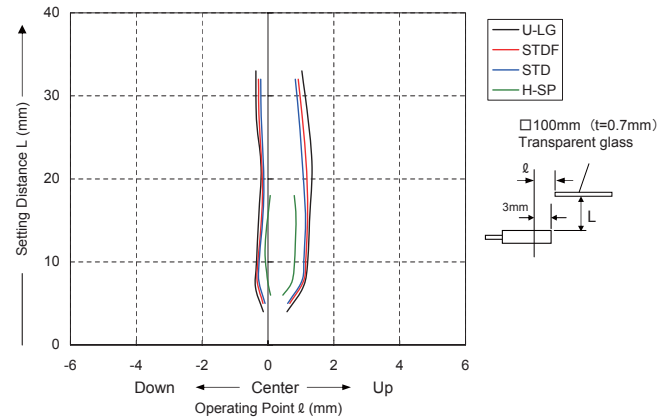
## FD-L31A

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

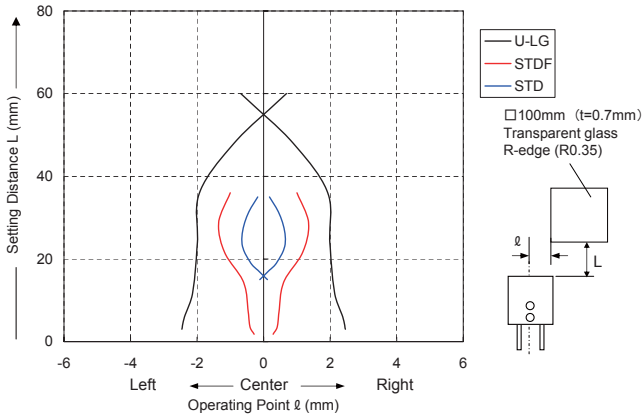
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

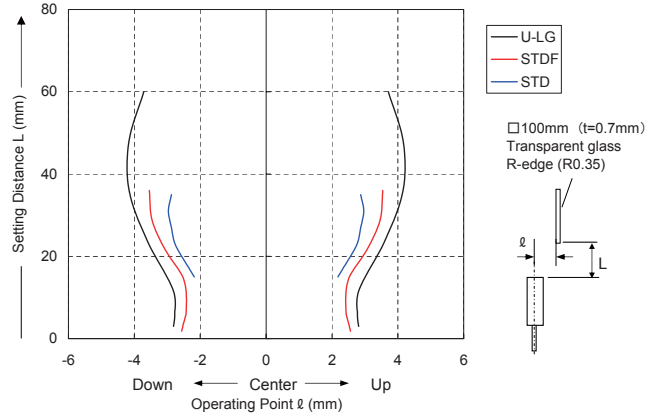
## FD-L32H

Reflective type

Horizontal direction



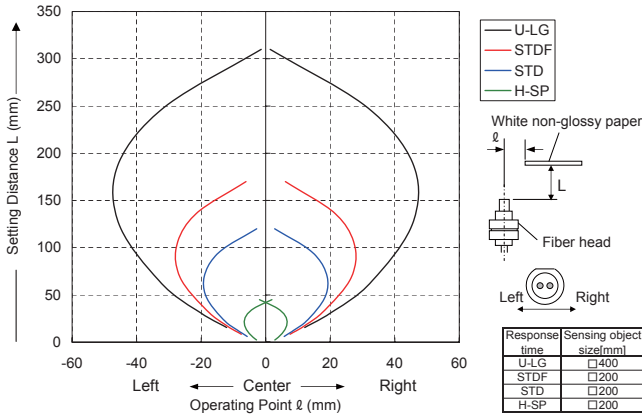
Vertical direction



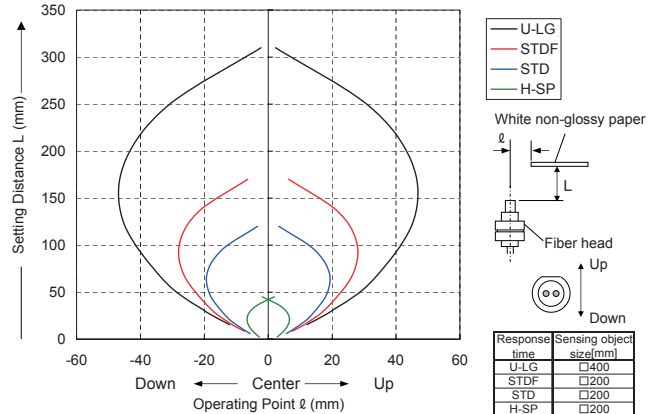
## FD-R60

Reflective type

Horizontal direction



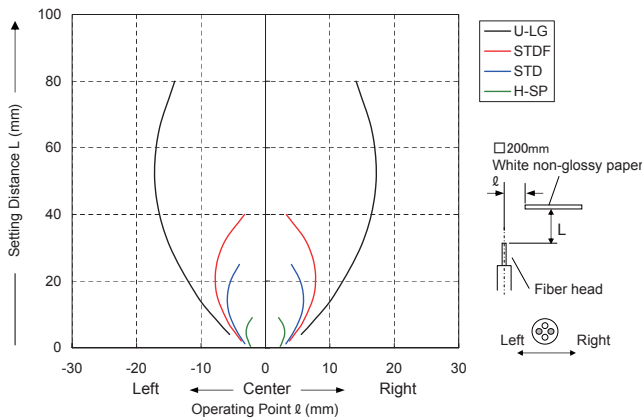
Vertical direction



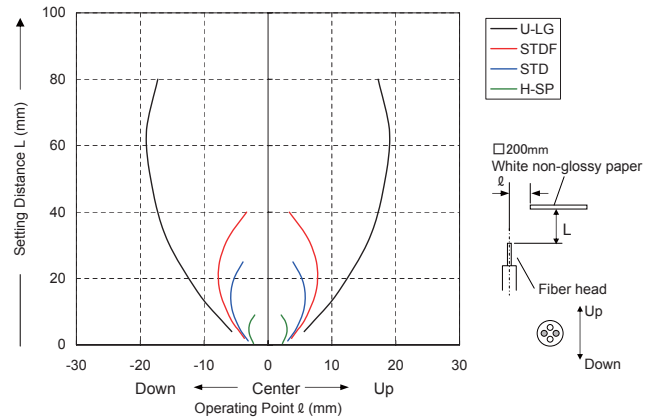
## FD-S21

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

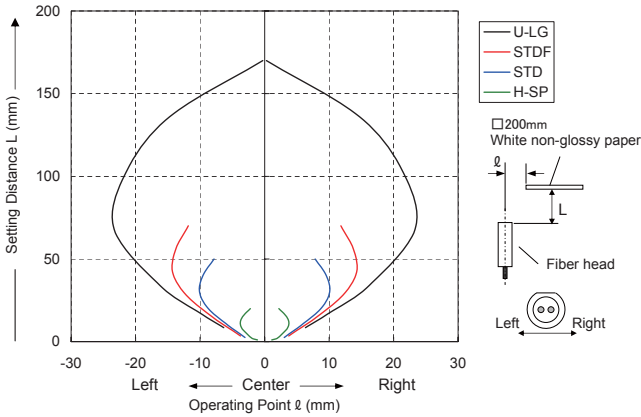
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

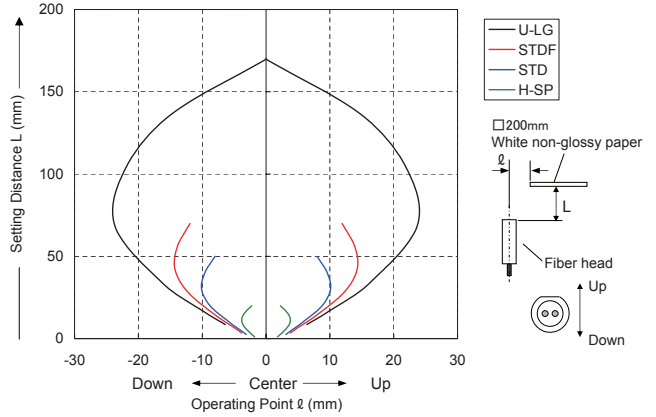
## FD-S30

Reflective type

Horizontal direction



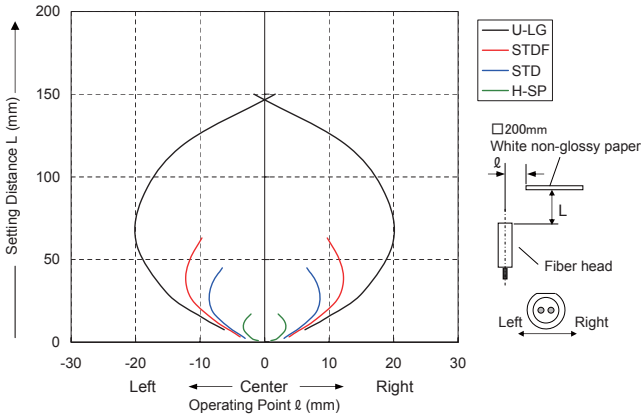
Vertical direction



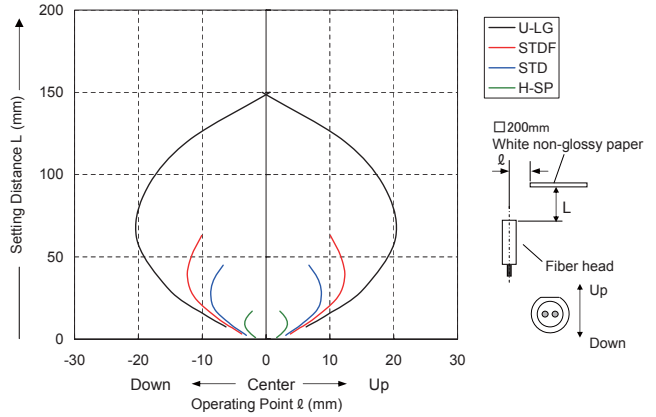
## FD-S31

Reflective type

Horizontal direction



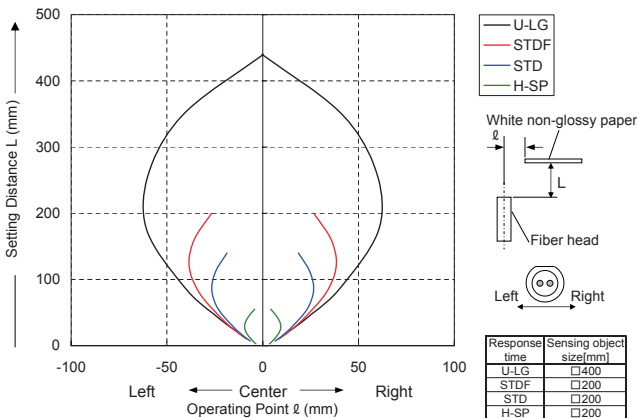
Vertical direction



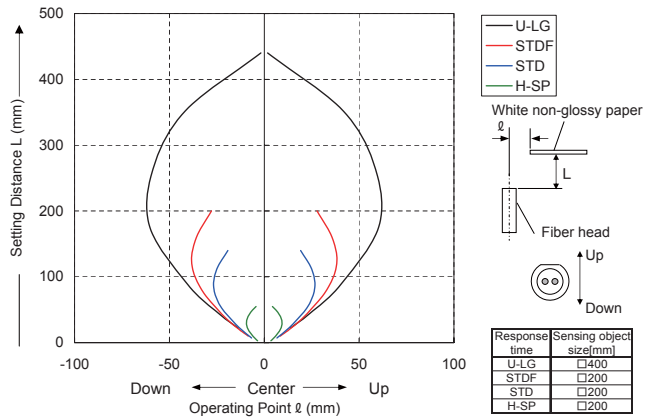
## FD-S32

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

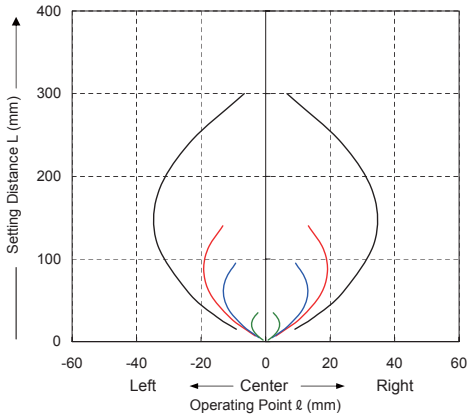
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

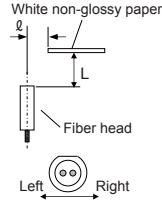
## FD-S32W

Reflective type

Horizontal direction

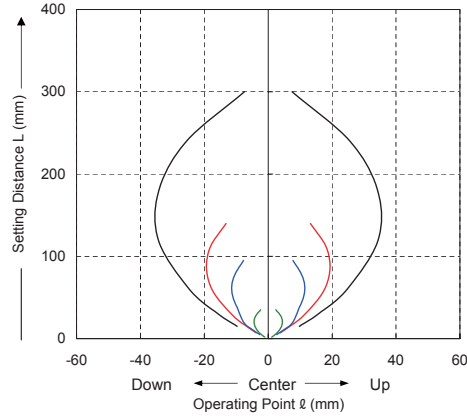


— U-LG  
— STDF  
— STD  
— H-SP

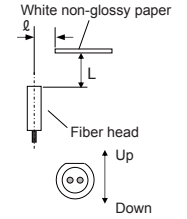


Response time	Sensing object size(mm)
U-LG	□400
STDF	□200
STD	□200
H-SP	□200

Vertical direction



— U-LG  
— STDF  
— STD  
— H-SP

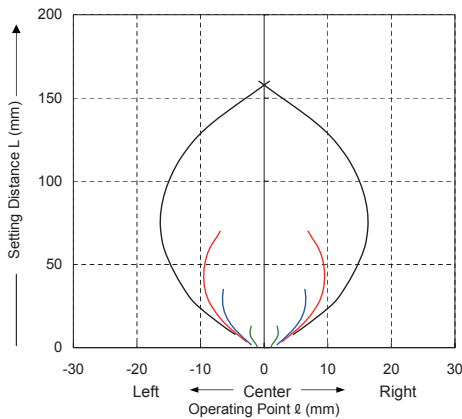


Response time	Sensing object size(mm)
U-LG	□400
STDF	□200
STD	□200
H-SP	□200

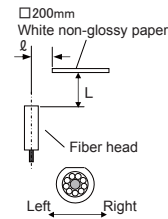
## FD-S33GW

Reflective type

Common for horizontal and vertical direction



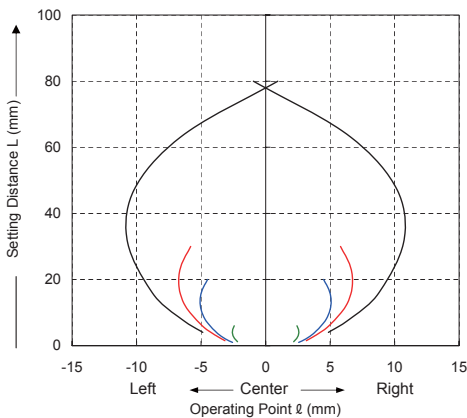
— U-LG  
— STDF  
— STD  
— H-SP



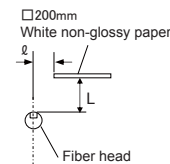
## FD-V30

Reflective type

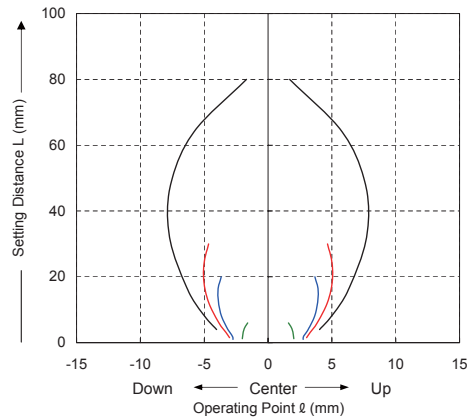
Horizontal direction



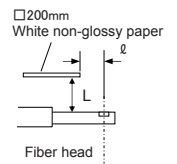
— U-LG  
— STDF  
— STD  
— H-SP



Vertical direction



— U-LG  
— STDF  
— STD  
— H-SP



# SENSING CHARACTERISTICS (TYPICAL)

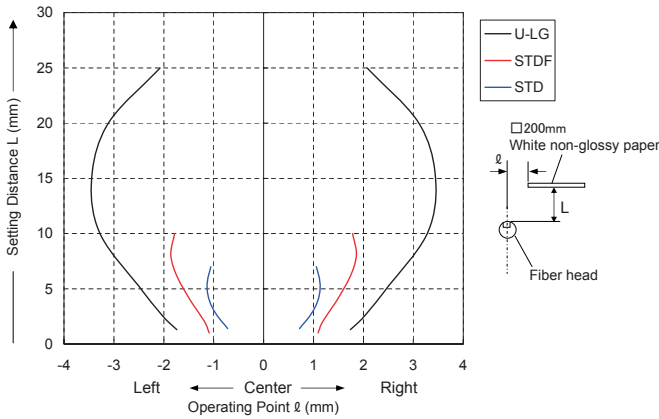
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

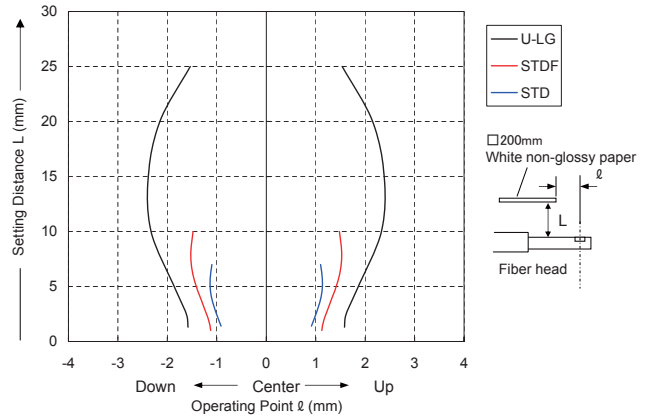
## FD-V30W

Reflective type

Horizontal direction



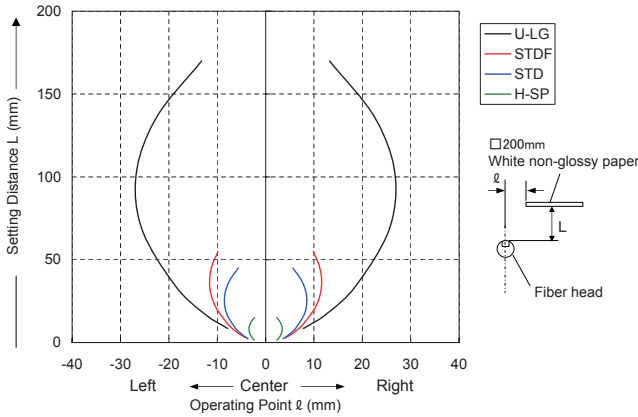
Vertical direction



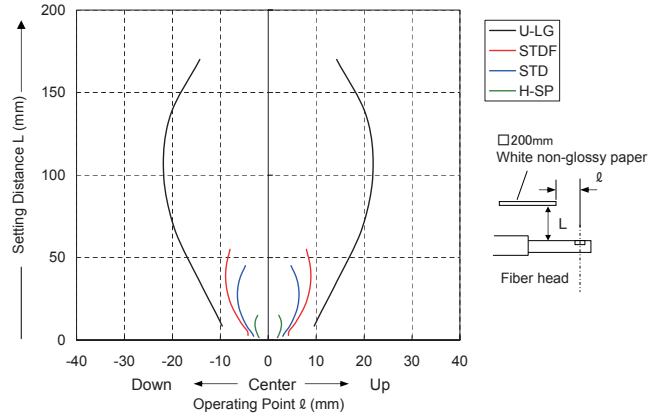
## FD-V50

Reflective type

Horizontal direction



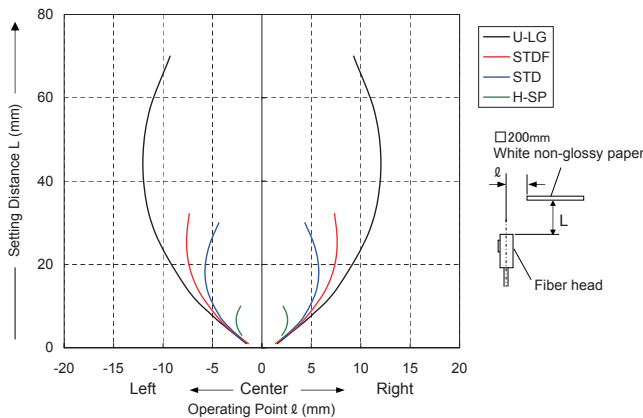
Vertical direction



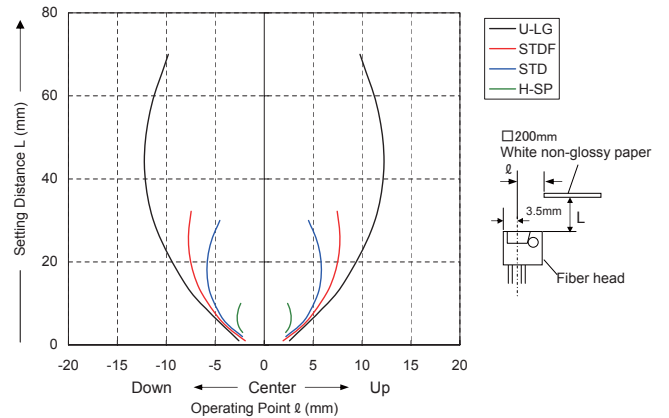
## FD-Z20HBW

Reflective type

Horizontal direction



Vertical direction





# SENSING CHARACTERISTICS (TYPICAL)

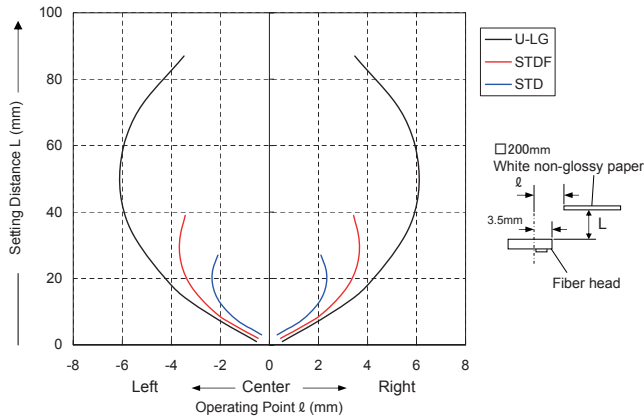
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

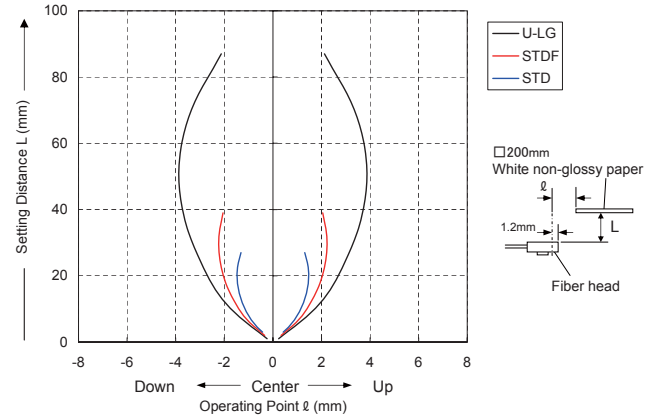
## FD-Z20W

Reflective type

Horizontal direction



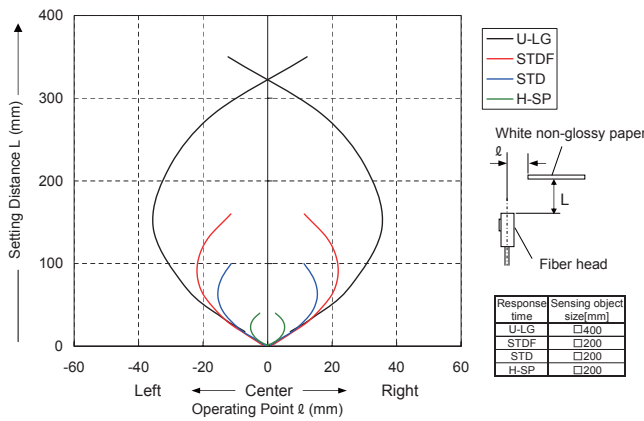
Vertical direction



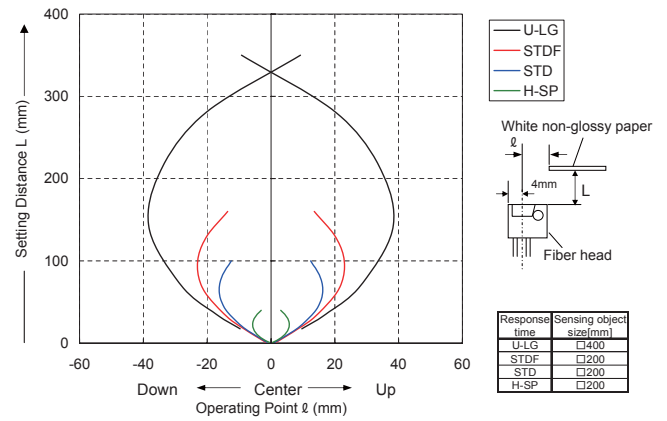
## FD-Z40HBW

Reflective type

Horizontal direction



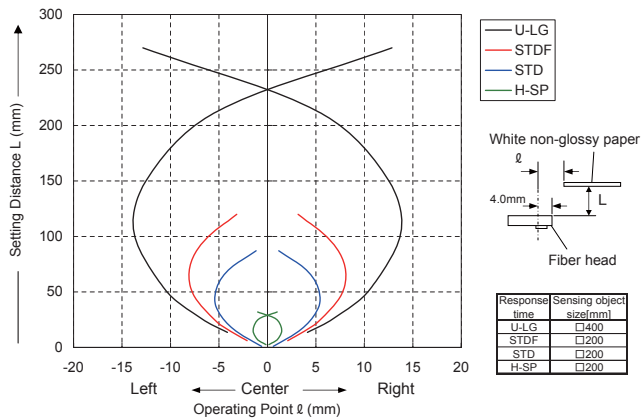
Vertical direction



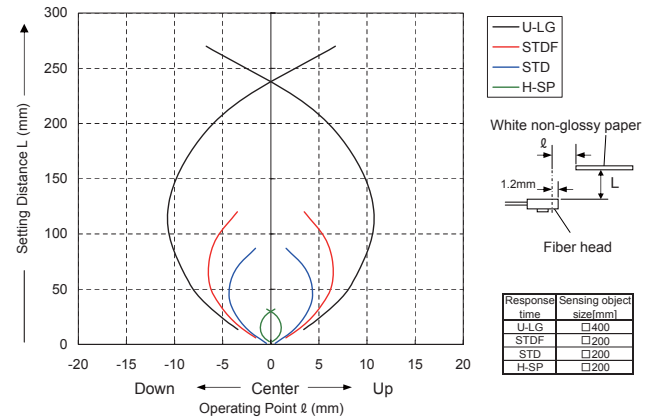
## FD-Z40W

Reflective type

Horizontal direction



Vertical direction



# SENSING CHARACTERISTICS (TYPICAL)

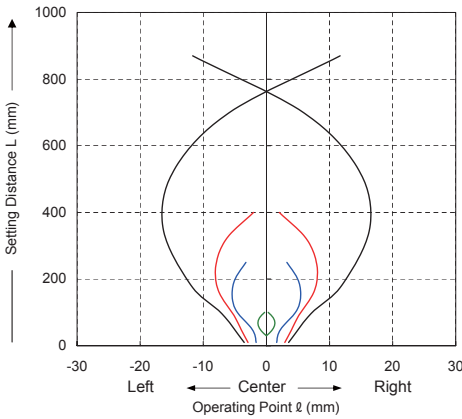
The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

**Reflective type Sensing field** Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

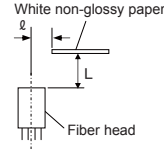
## FD-Z50HW

Reflective type

Horizontal direction

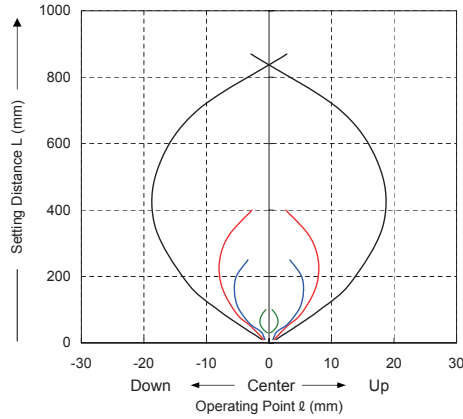


— U-LG  
— STDF  
— STD  
— H-SP

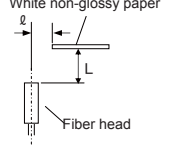


Response time	Sensing object size (mm)
U-LG	□300
STDF	□400
STD	□200
H-SP	□200

Vertical direction



— U-LG  
— STDF  
— STD  
— H-SP



Response time	Sensing object size (mm)
U-LG	□300
STDF	□400
STD	□200
H-SP	□200

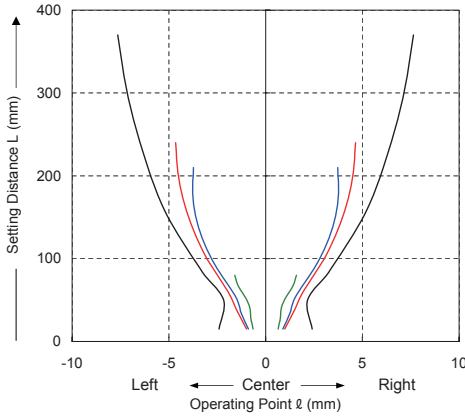
## Retroreflective type Parallel deviation

Sensing characteristics diagram is listed in alphabetical order of model No.

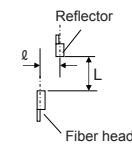
## FR-KZ22E

Retroreflective type

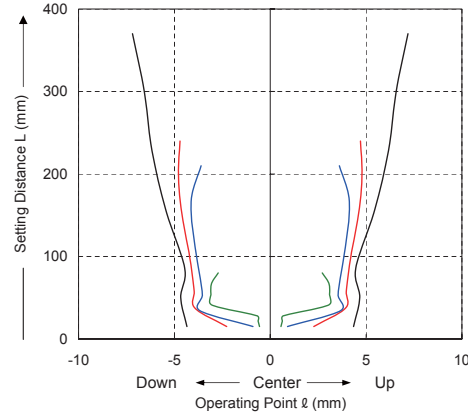
Horizontal direction



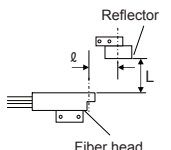
— U-LG  
— STDF  
— STD  
— H-SP



Vertical direction



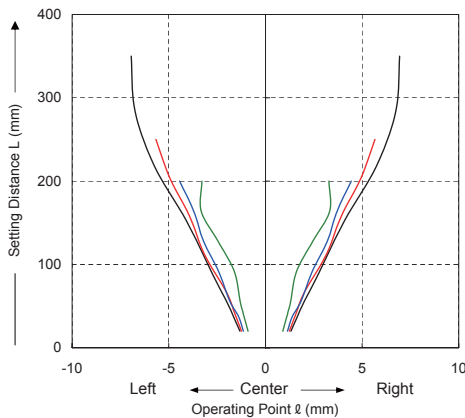
— U-LG  
— STDF  
— STD  
— H-SP



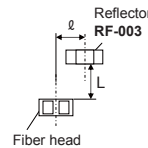
## FR-KZ50E

Retroreflective type

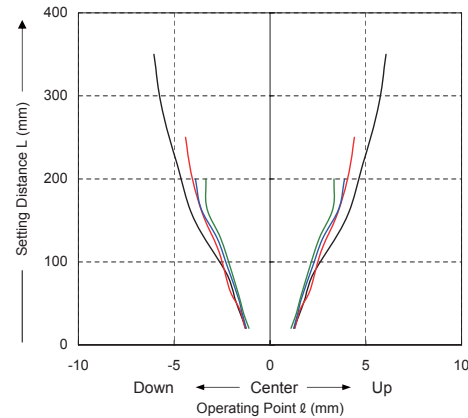
Horizontal direction



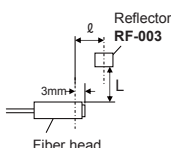
— U-LG  
— STDF  
— STD  
— H-SP



Vertical direction



— U-LG  
— STDF  
— STD  
— H-SP



# SENSING CHARACTERISTICS (TYPICAL)

The following sensing characteristics pertain to the red LED type of **FX-300** series. Contact our office for sensing characteristics that are not contained here.

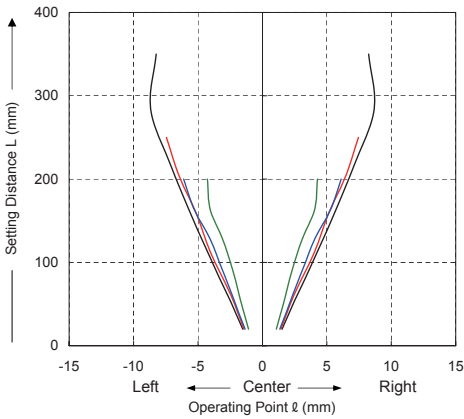
## Retroreflective type Parallel deviation

Sensing characteristics diagram is listed in alphabetical order of model No.

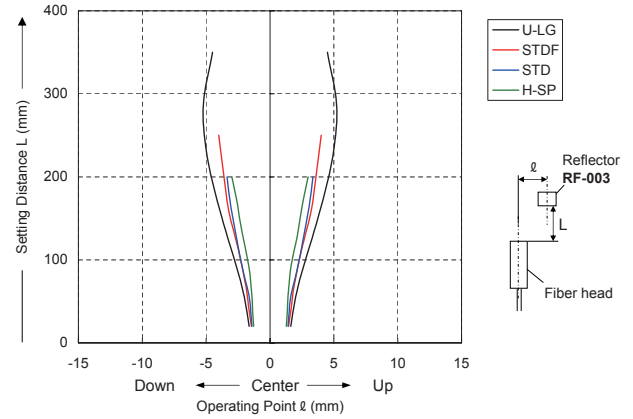
### FR-KZ50H

Retroreflective type

Horizontal direction



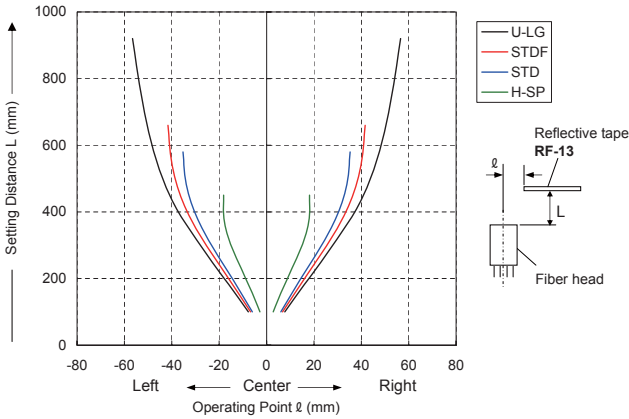
Vertical direction



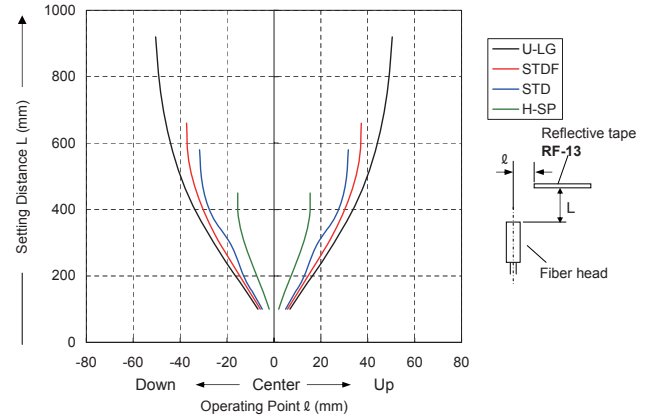
### FR-Z50HW

Retroreflective type

Horizontal direction



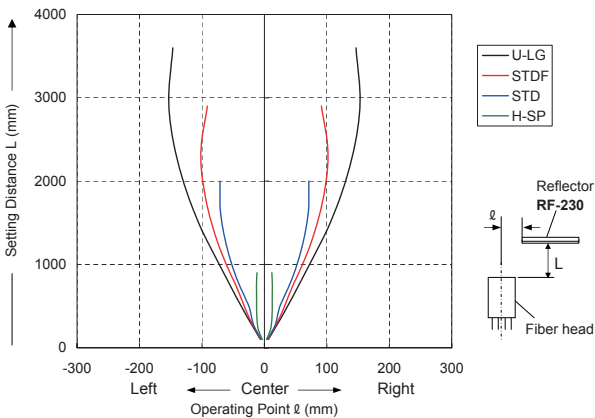
Vertical direction



### FR-Z50HW

Retroreflective type

Horizontal direction



Vertical direction

