

Filter for TIRF Microscope



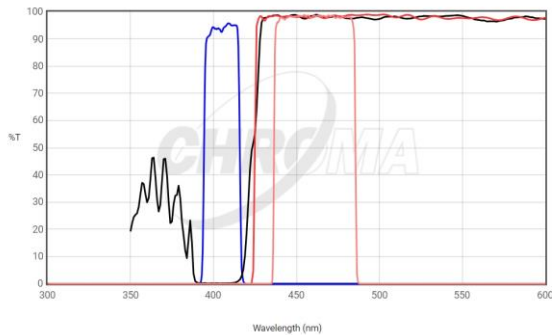
2023 V1

For customized projects please Contact us:

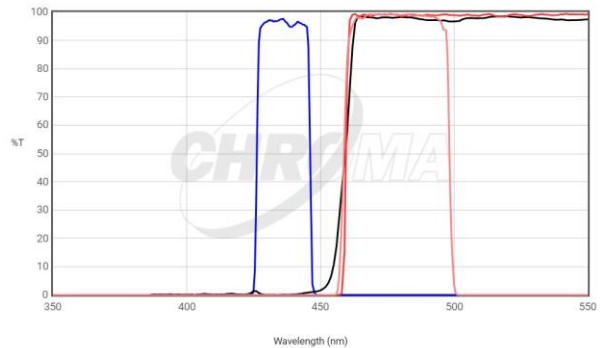
[**info@simtrum.com**](mailto:info@simtrum.com)

ET Series -TIRF Single Band Bandpass Filter Sets

TRF49901

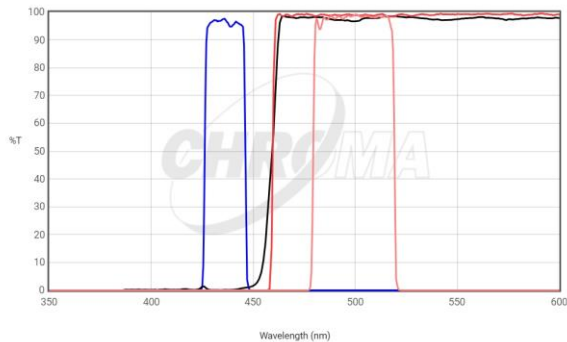


TRF49902

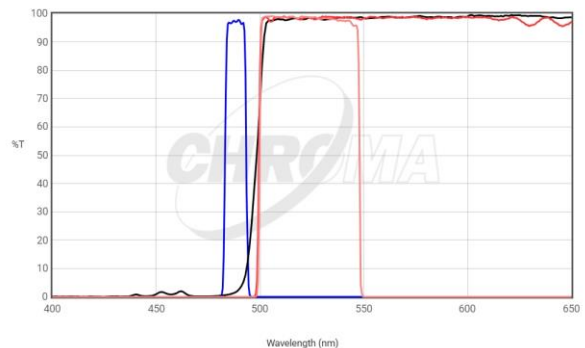


| FILTERS | TYPE | %T-OD | AOI | DATA | FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------|------|-----------------|-----|-------|--------------|------|-----------------|-----|-------|
| ● ZET405/20x | EX | 0.00 T at 300nm | 0° | ASCII | ● ZET436/20x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT405rdc | BS | 0.00 T at 300nm | 45° | ASCII | ● ZT442rdc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET425lp | EM | 0.00 T at 300nm | 0° | ASCII | ● ET460lp | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET460/50m | EM | 0.00 T at 300nm | 0° | ASCII | ● ET480/40m | EM | 0.00 T at 350nm | 0° | ASCII |

TRF49903



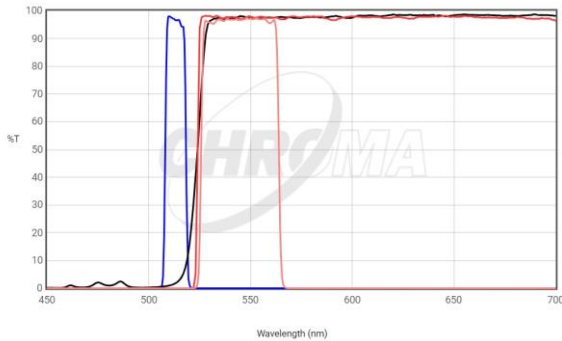
TRF49904



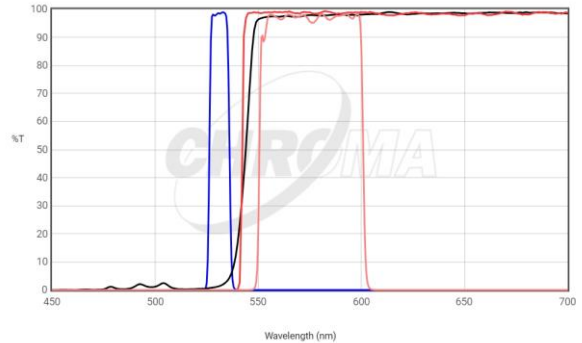
| FILTERS | TYPE | %T-OD | AOI | DATA | FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------|------|-----------------|-----|-------|--------------|------|-----------------|-----|-------|
| ● ZET436/20x | EX | 0.00 T at 350nm | 0° | ASCII | ● ZET488/10x | EX | 0.00 T at 400nm | 0° | ASCII |
| ● ZT442rdc | BS | 0.00 T at 350nm | 45° | ASCII | ● ZT488rdc | BS | 0.00 T at 400nm | 45° | ASCII |
| ● ET460lp | EM | 0.00 T at 350nm | 0° | ASCII | ● ET500lp | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ET500/40m | EM | 0.00 T at 350nm | 0° | ASCII | ● ET525/50m | EM | 0.00 T at 400nm | 0° | ASCII |

ET Series -TIRF Single Band Bandpass Filter Sets

TRF49905

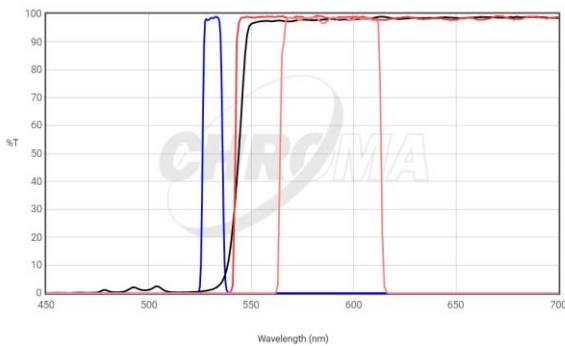


TRF49907

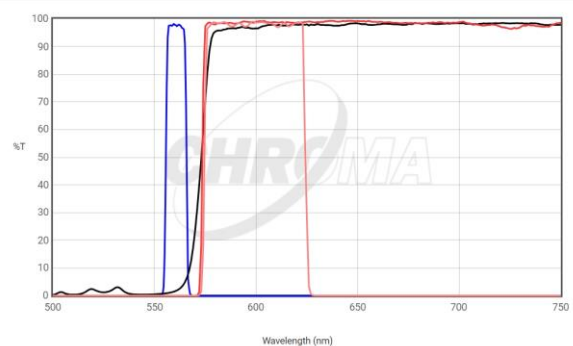


| FILTERS | TYPE | %T-OD | AOI | DATA | FILTERS | TYPE | %T-OD | AOI | DATA |
|---|------|-----------------|-----|-------|---|------|-----------------|-----|-------|
| ● ZET514/10x | EX | 0.00 T at 450nm | 0° | ASCII | ● ZET532/10x | EX | 0.00 T at 450nm | 0° | ASCII |
| ● ZT514rdc | BS | 0.00 T at 450nm | 45° | ASCII | ● ZT532rdc | BS | 0.00 T at 450nm | 45° | ASCII |
| ● ET525lp | EM | 0.00 T at 450nm | 0° | ASCII | ● ET542lp | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ET545/40m | EM | 0.00 T at 450nm | 0° | ASCII | ● ET575/50m | EM | 0.00 T at 450nm | 0° | ASCII |

TRF49908



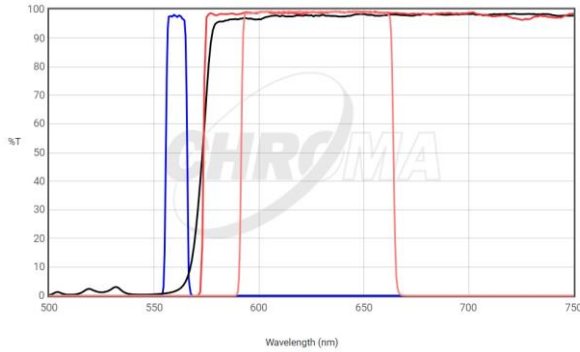
TRF49909



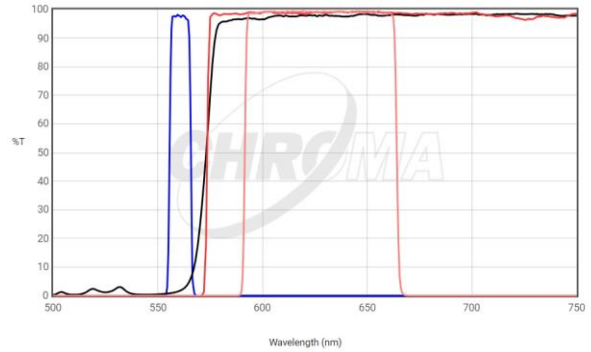
| FILTERS | TYPE | %T-OD | AOI | DATA | FILTERS | TYPE | %T-OD | AOI | DATA |
|---|------|-----------------|-----|-------|---|------|-----------------|-----|-------|
| ● ZET532/10x | EX | 0.00 T at 450nm | 0° | ASCII | ● ZET561/10x | EX | 0.00 T at 500nm | 0° | ASCII |
| ● ZT532rdc | BS | 0.00 T at 450nm | 45° | ASCII | ● ZT561rdc | BS | 0.00 T at 500nm | 45° | ASCII |
| ● ET542lp | EM | 0.00 T at 450nm | 0° | ASCII | ● ET575lp | EM | 0.00 T at 500nm | 0° | ASCII |
| ● ET590/50m | EM | 0.00 T at 450nm | 0° | ASCII | ● ET600/50m | EM | 0.00 T at 500nm | 0° | ASCII |

ET Series -TIRF Single Band Bandpass Filter Sets

TRF49910

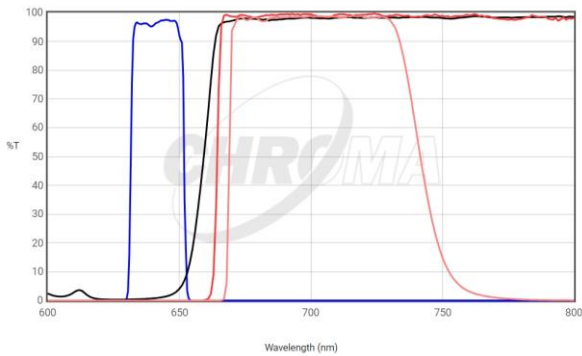


TRF49911



| FILTERS | TYPE | %T-OD | AOI | DATA |
|---|------|-----------------|-----|-----------------------|
| ● ZET561/10x | EX | 0.00 T at 500nm | 0° | ASCII |
| ● ZT561rdc | BS | 0.00 T at 500nm | 45° | ASCII |
| ● ET575lp | EM | 0.00 T at 500nm | 0° | ASCII |
| ● ET630/75m | EM | 0.00 T at 500nm | 0° | ASCII |

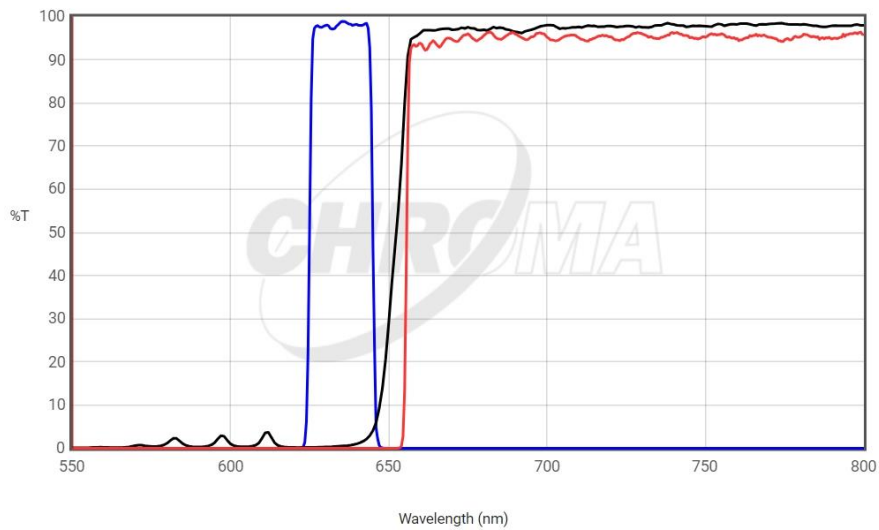
TRF49914



| FILTERS | TYPE | %T-OD | AOI | DATA |
|---|------|-----------------|-----|-----------------------|
| ● ZET642/20x | EX | 0.00 T at 600nm | 0° | ASCII |
| ● ZT647rdc | BS | 0.00 T at 600nm | 45° | ASCII |
| ● ET665lp | EM | 0.00 T at 600nm | 0° | ASCII |
| ● ET705/72m | EM | 0.00 T at 600nm | 0° | ASCII |

ET Series - TIRF Single Band Longpass Filter Sets

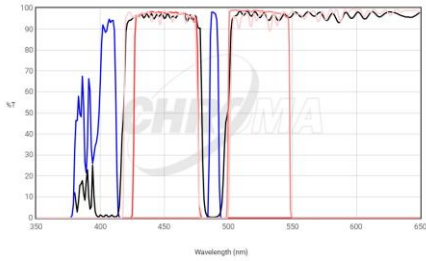
TRF49913



| FILTERS | TYPE | %T-OD | AOI | DATA |
|--|------|--------------------|-----|-----------------------|
| ● ZET635/20x | EX | 0.00 T at 550nm | 0° | ASCII |
| ● ZT640rdc | BS | 0.00 T at 550nm | 45° | ASCII |
| ● ET655lp- TRF | EM | 0.00 T at 550nm | 0° | ASCII |

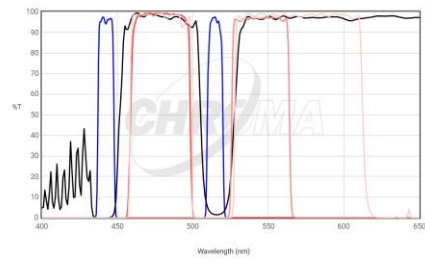
ET Series - TIRF Multi-Band Bandpass Filter Sets

TRF59901



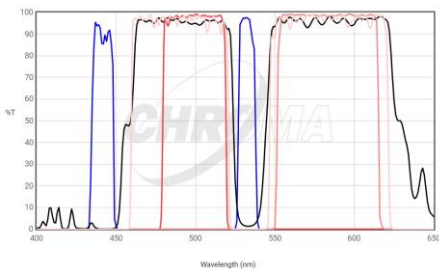
| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET405/488x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT405/488rpc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET450/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET525/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ZET405/488m | EM | 0.00 T at 350nm | 0° | ASCII |

TRF59902



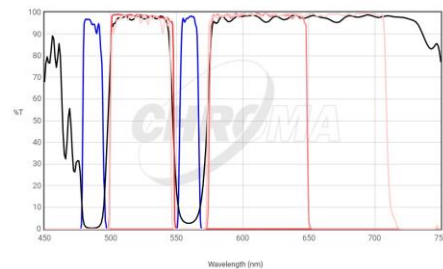
| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET442/514x | EX | 0.00 T at 400nm | 0° | ASCII |
| ● ZT442/514rpc | BS | 0.00 T at 400nm | 45° | ASCII |
| ● ET480/40m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ET545/40m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ZET442/514m | EM | 0.00 T at 400nm | 0° | ASCII |

TRF59903



| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET442/532x | EX | 0.00 T at 400nm | 0° | ASCII |
| ● ZT442/532rpc | BS | 0.00 T at 400nm | 45° | ASCII |
| ● ET500/40m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ET585/65m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ZET442/532m | EM | 0.00 T at 400nm | 0° | ASCII |

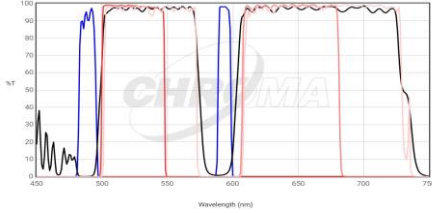
TRF59904



| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET488/561x | EX | 0.00 T at 450nm | 0° | ASCII |
| ● ZT488/561rpc | BS | 0.00 T at 450nm | 45° | ASCII |
| ● ET525/50m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ET610/75m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ZET488/561m | EM | 0.00 T at 450nm | 0° | ASCII |

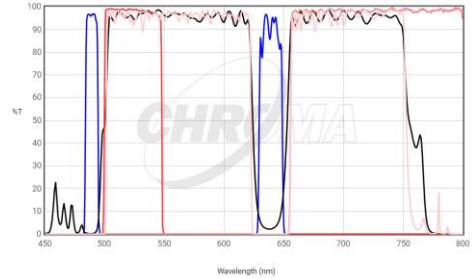
ET Series - TIRF Multi-Band Bandpass Filter Sets

TRF59905



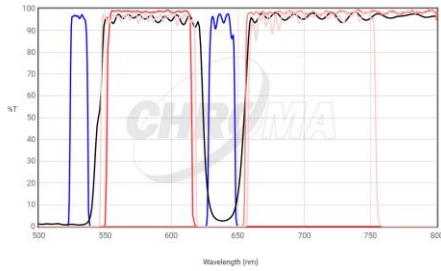
| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET488/594x | EX | 0.00 T at 450nm | 0° | ASCII |
| ● ZT488/594rpc | BS | 0.00 T at 450nm | 45° | ASCII |
| ● ET525/50m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ET645/75m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ZET488/594m | EM | 0.00 T at 450nm | 0° | ASCII |

TRF59906



| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET488/640x | EX | 0.00 T at 450nm | 0° | ASCII |
| ● ZT488/640rpc | BS | 0.00 T at 450nm | 45° | ASCII |
| ● ET525/50m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ET655lp | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ZET488/640m | EM | 0.00 T at 450nm | 0° | ASCII |

TRF59907



| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET532/640x | EX | 0.00 T at 500nm | 0° | ASCII |
| ● ZT532/640rpc | BS | 0.00 T at 500nm | 45° | ASCII |
| ● ET585/65m | EM | 0.00 T at 500nm | 0° | ASCII |
| ● ET655lp | EM | 0.00 T at 500nm | 0° | ASCII |
| ● ZET532/640m | EM | 0.00 T at 500nm | 0° | ASCII |

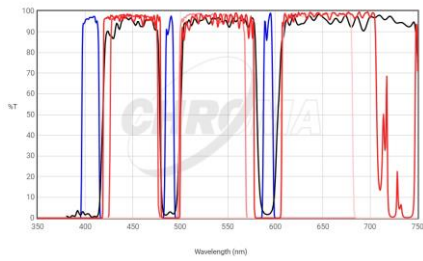
TRF69901



| FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------------|------|-----------------|-----|-------|
| ● ZET405/488/561x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT405/488/561rpc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET450/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET525/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET575lp | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ZET405/488/561m | EM | 0.00 T at 350nm | 0° | ASCII |

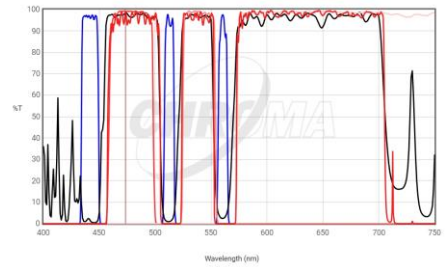
ET Series - TIRF Multi-Band Bandpass Filter Sets

TRF69902



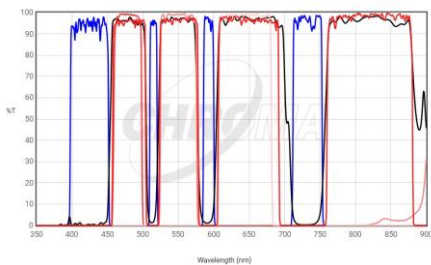
| FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------------|------|-----------------|-----|-------|
| ● ZET405/488/594x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT405/488/594rpc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET450/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET535/70m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET645/75m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ZET405/488/594m | EM | 0.00 T at 350nm | 0° | ASCII |

TRF69904



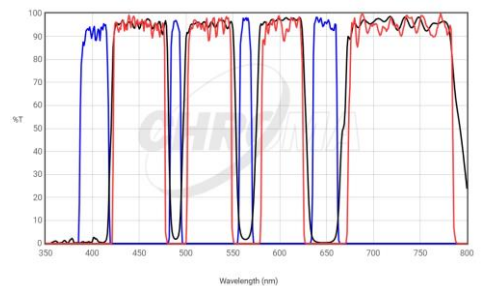
| FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------------|------|-----------------|-----|-------|
| ● ZET442/514/561x | EX | 0.00 T at 400nm | 0° | ASCII |
| ● ZT442/514/561rpc | BS | 0.00 T at 400nm | 45° | ASCII |
| ● ET480/40m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ET540/30m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ET575lp | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ZET442/514/561m | EM | 0.00 T at 400nm | 0° | ASCII |

TRF69905



| FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------------|------|-----------------|-----|-------|
| ● ZET445/514/594x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT445/514/594rpc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET480/40m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET550/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET645/75m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ZET445/514/594m | EM | 0.00 T at 350nm | 0° | ASCII |

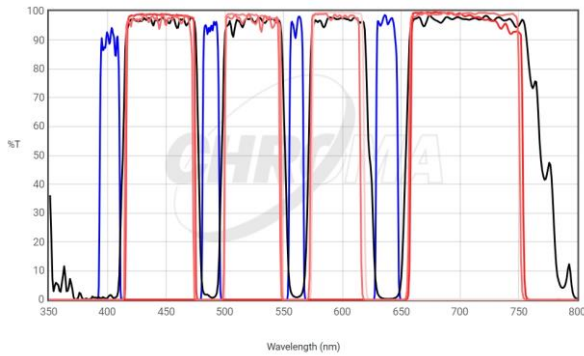
TRF89902



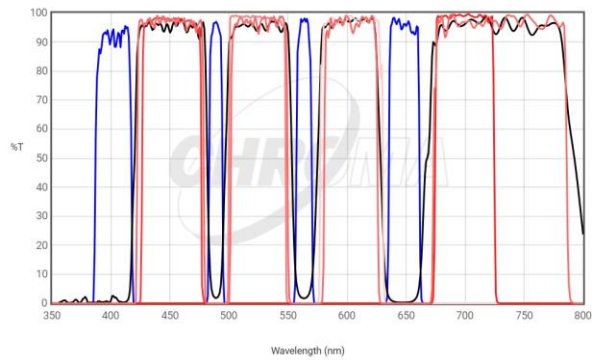
| FILTERS | TYPE | %T-OD | AOI | DATA |
|---------------------------|------|-----------------|-----|-------|
| ● ZET405/488/561/647x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT405/488/561/647rpc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ZET405/488/561/647m-TRF | EM | 0.00 T at 350nm | 0° | ASCII |

ET Series - TIRF Multi-Band Bandpass Filter Sets

TRF89901v2



TRF89902-EM

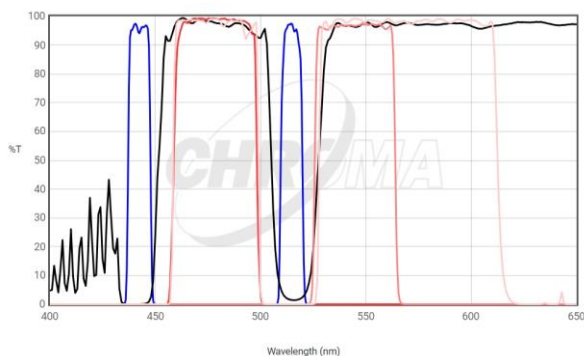


| FILTERS | TYPE | %T-OD | AOI | DATA |
|-------------------------|------|-----------------|--------|-------|
| ● ZET405/488/561/640xv2 | EX | 0.00 T 350nm | at 0° | ASCII |
| ● ZT405/488/561/640pcv2 | BS | 0.00 T 350nm | at 45° | ASCII |
| ● ET445/58m | EM | 0.00 T 350nm | at 0° | ASCII |
| ● ET525/50m | EM | 0.00 T 350nm | at 0° | ASCII |
| ● ET595/44m | EM | 0.00 T 350nm | at 0° | ASCII |
| ● ET706/95m | EM | 0.00 T 350nm | at 0° | ASCII |
| ● ZET405/488/561/640mv2 | EM | 0.00 T 350nm | at 0° | ASCII |

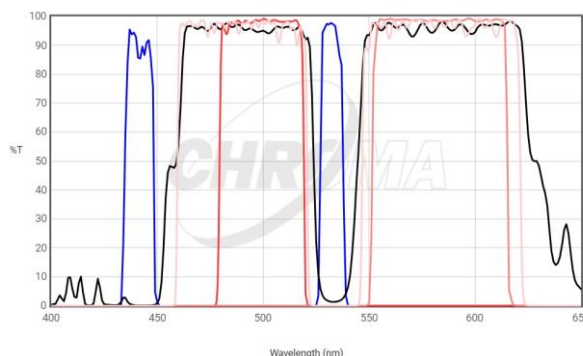
| FILTERS | TYPE | %T-OD | AOI | DATA |
|------------------------|------|-----------------|--------|-------|
| ● ZET405/488/561/647x | EX | 0.00 T 350nm | at 0° | ASCII |
| ● ZT405/488/561/647rpc | BS | 0.00 T 350nm | at 45° | ASCII |
| ● ET450/50m | EM | 0.00 T 350nm | at 0° | ASCII |
| ● ET525/50m | EM | 0.00 T 350nm | at 0° | ASCII |
| ● ET605/52m | EM | 0.00 T 350nm | at 0° | ASCII |
| ● ET700/50m | EM | 0.00 T 350nm | at 0° | ASCII |
| ● ZET405/488/561/647m | EM | 0.00 T 350nm | at 0° | ASCII |

ET Series - TIRF Multi-Band Bandpass Filter Sets

TRF59902-EM



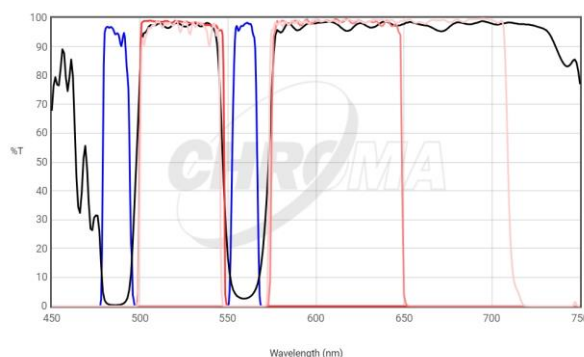
TRF59903-EM



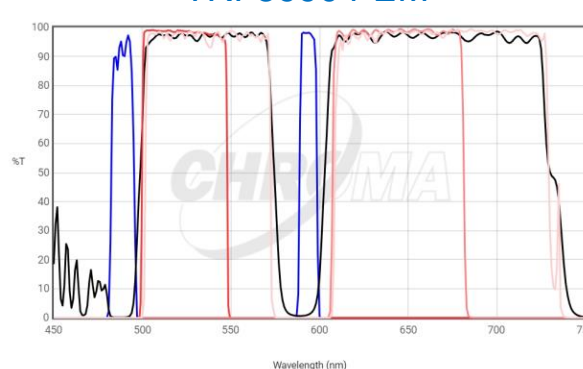
| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET442/514x | EX | 0.00 T at 400nm | 0° | ASCII |
| ● ZT442/514rpc | BS | 0.00 T at 400nm | 45° | ASCII |
| ● ET480/40m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ET545/40m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ZET442/514m | EM | 0.00 T at 400nm | 0° | ASCII |

| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET442/532x | EX | 0.00 T at 400nm | 0° | ASCII |
| ● ZT442/532rpc | BS | 0.00 T at 400nm | 45° | ASCII |
| ● ET500/40m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ET585/65m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ZET442/532m | EM | 0.00 T at 400nm | 0° | ASCII |

TRF59903-EM



TRF59904-EM

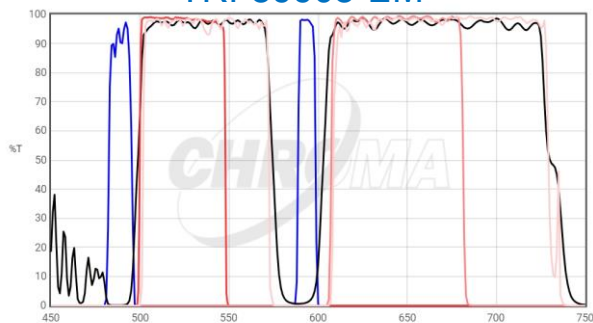


| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET488/561x | EX | 0.00 T at 450nm | 0° | ASCII |
| ● ZT488/561rpc | BS | 0.00 T at 450nm | 45° | ASCII |
| ● ET525/50m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ET610/75m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ZET488/561m | EM | 0.00 T at 450nm | 0° | ASCII |

| FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|
| ● ZET488/594x | EX | 0.00 T at 450nm | 0° | ASCII |
| ● ZT488/594rpc | BS | 0.00 T at 450nm | 45° | ASCII |
| ● ET525/50m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ET645/75m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ZET488/594m | EM | 0.00 T at 450nm | 0° | ASCII |

ET Series - TIRF Multi-Band Bandpass Filter Sets

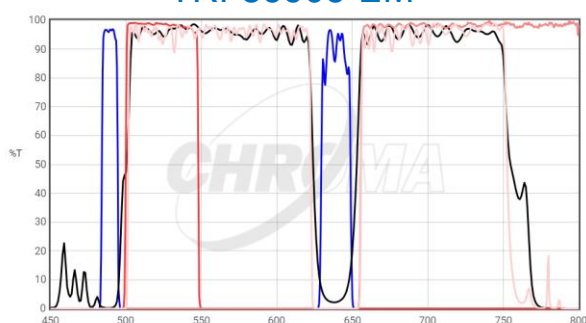
TRF59905-EM



Wavelength (nm)

| FILTERS | TYPE | %T-OD | AOI | DATA |
|---|------|-----------------|-----|-------|
| ● ZET488/594x | EX | 0.00 T at 450nm | 0° | ASCII |
| ● ZT488/594rpc | BS | 0.00 T at 450nm | 45° | ASCII |
| ● ET525/50m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ET645/75m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ZET488/594m | EM | 0.00 T at 450nm | 0° | ASCII |

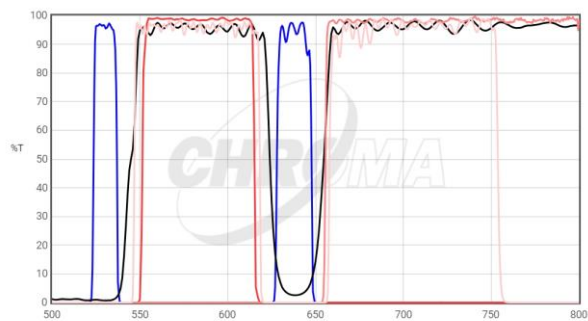
TRF59906-EM



Wavelength (nm)

| FILTERS | TYPE | %T-OD | AOI | DATA |
|---|------|-----------------|-----|-------|
| ● ZET488/640x | EX | 0.00 T at 450nm | 0° | ASCII |
| ● ZT488/640rpc | BS | 0.00 T at 450nm | 45° | ASCII |
| ● ET525/50m | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ET655lp | EM | 0.00 T at 450nm | 0° | ASCII |
| ● ZET488/640m | EM | 0.00 T at 450nm | 0° | ASCII |

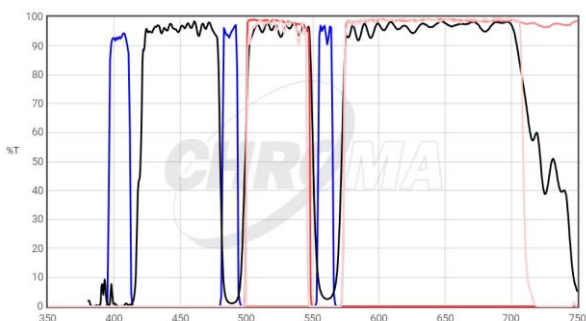
TRF59907-EM



Wavelength (nm)

| FILTERS | TYPE | %T-OD | AOI | DATA |
|---|------|-----------------|-----|-------|
| ● ZET532/640x | EX | 0.00 T at 500nm | 0° | ASCII |
| ● ZT532/640rpc | BS | 0.00 T at 500nm | 45° | ASCII |
| ● ET585/65m | EM | 0.00 T at 500nm | 0° | ASCII |
| ● ET655lp | EM | 0.00 T at 500nm | 0° | ASCII |
| ● ZET532/640m | EM | 0.00 T at 500nm | 0° | ASCII |

TRF59908-EM1

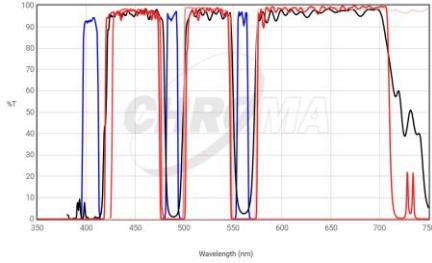


Wavelength (nm)

| FILTERS | TYPE | %T-OD | AOI | DATA |
|---|------|-----------------|-----|-------|
| ● ZET405/488/561x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT405/488/561rpc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET525/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET575lp | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ZET488/561m | EM | 0.00 T at 350nm | 0° | ASCII |

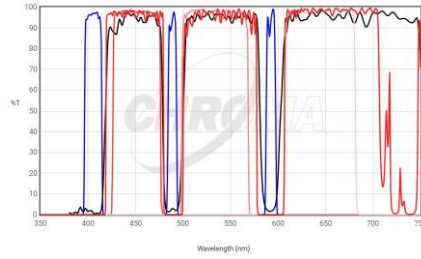
ET Series - TIRF Multi-Band Bandpass Filter Sets

TRF69901-EM



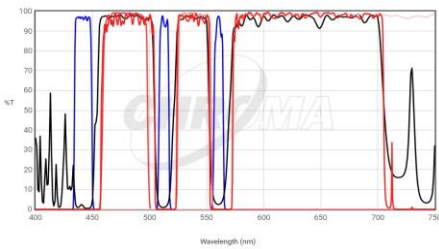
| FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------------|------|-----------------|-----|-----------------------|
| ● ZET405/488/561x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT405/488/561rpc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET450/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET525/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET575lp | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ZET405/488/561m | EM | 0.00 T at 350nm | 0° | ASCII |

TRF69902-EM



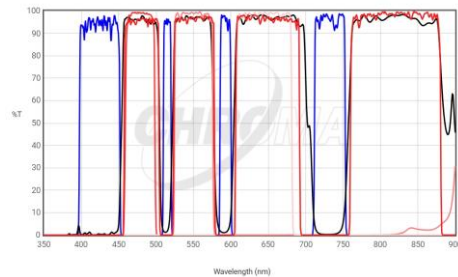
| FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------------|------|-----------------|-----|-----------------------|
| ● ZET405/488/594x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT405/488/594rpc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET450/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET535/70m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET645/75m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ZET405/488/594m | EM | 0.00 T at 350nm | 0° | ASCII |

TRF69904-EM



| FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------------|------|-----------------|-----|-----------------------|
| ● ZET442/514/561x | EX | 0.00 T at 400nm | 0° | ASCII |
| ● ZT442/514/561rpc | BS | 0.00 T at 400nm | 45° | ASCII |
| ● ET480/40m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ET540/30m | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ET575lp | EM | 0.00 T at 400nm | 0° | ASCII |
| ● ZET442/514/561m | EM | 0.00 T at 400nm | 0° | ASCII |

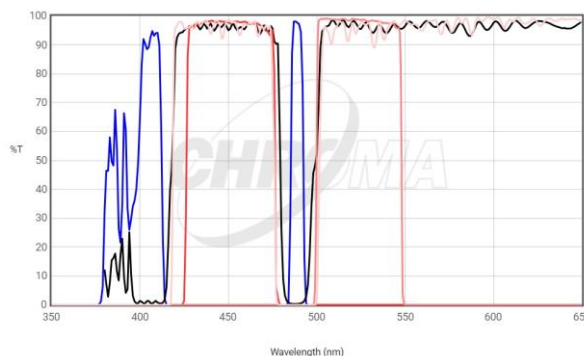
TRF69905-EM



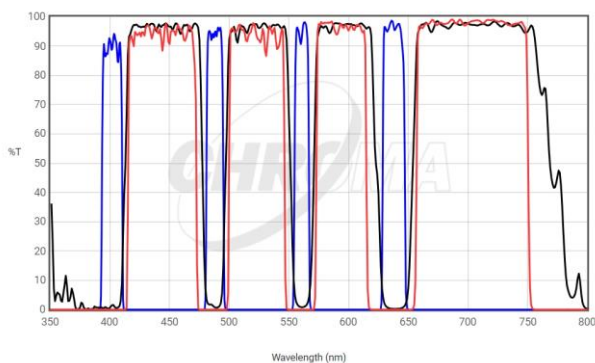
| FILTERS | TYPE | %T-OD | AOI | DATA |
|--------------------|------|-----------------|-----|-----------------------|
| ● ZET445/514/594x | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT445/514/594rpc | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET480/40m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET550/50m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET645/75m | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ZET445/514/594m | EM | 0.00 T at 350nm | 0° | ASCII |

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TRF59901-EM



TRF89901-EMv2



| FILTERS | TYPE | %T-OD | AOI | DATA | FILTERS | TYPE | %T-OD | AOI | DATA |
|----------------|------|-----------------|-----|-------|-----------------------------|------|-----------------|-----|-------|
| ● ZET405/488x | EX | 0.00 T at 350nm | 0° | ASCII | ● ZET405/488/561/640xv2 | EX | 0.00 T at 350nm | 0° | ASCII |
| ● ZT405/488rpc | BS | 0.00 T at 350nm | 45° | ASCII | ● ZT405/488/561/640rpcv2 | BS | 0.00 T at 350nm | 45° | ASCII |
| ● ET450/50m | EM | 0.00 T at 350nm | 0° | ASCII | ● ZET405/488/561/640m-TRFv2 | EM | 0.00 T at 350nm | 0° | ASCII |
| ● ET525/50m | EM | 0.00 T at 350nm | 0° | ASCII | | | | | |
| ● ZET405/488m | EM | 0.00 T at 350nm | 0° | ASCII | | | | | |