

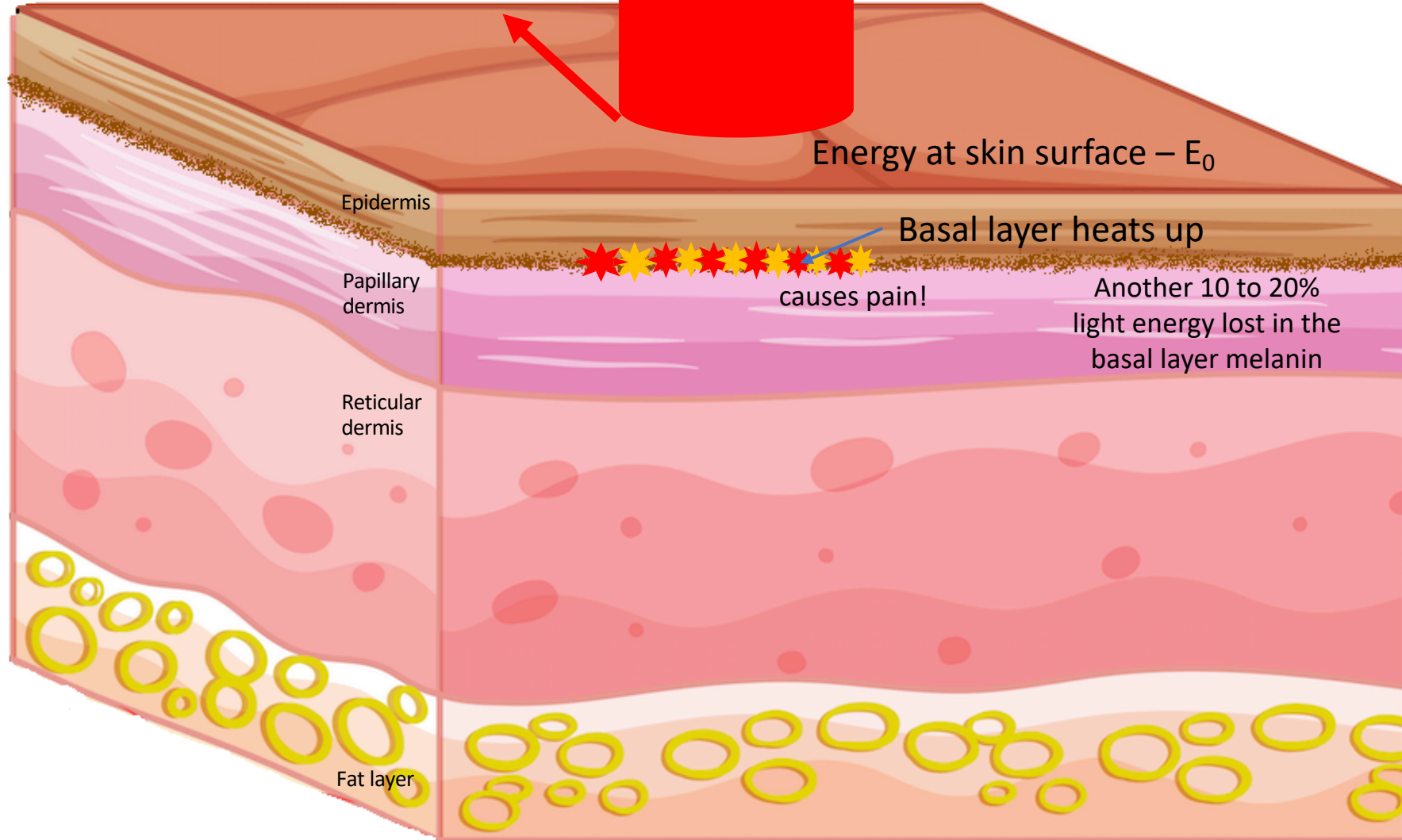
Light energy absorption in the target

Spot diameter

Fluence (= energy / spot size area)



Between 4 and 7% of light lost at surface reflections



Not to scale



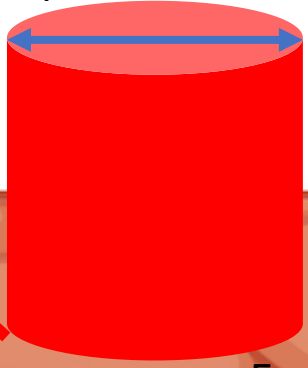
Light energy absorption in the target



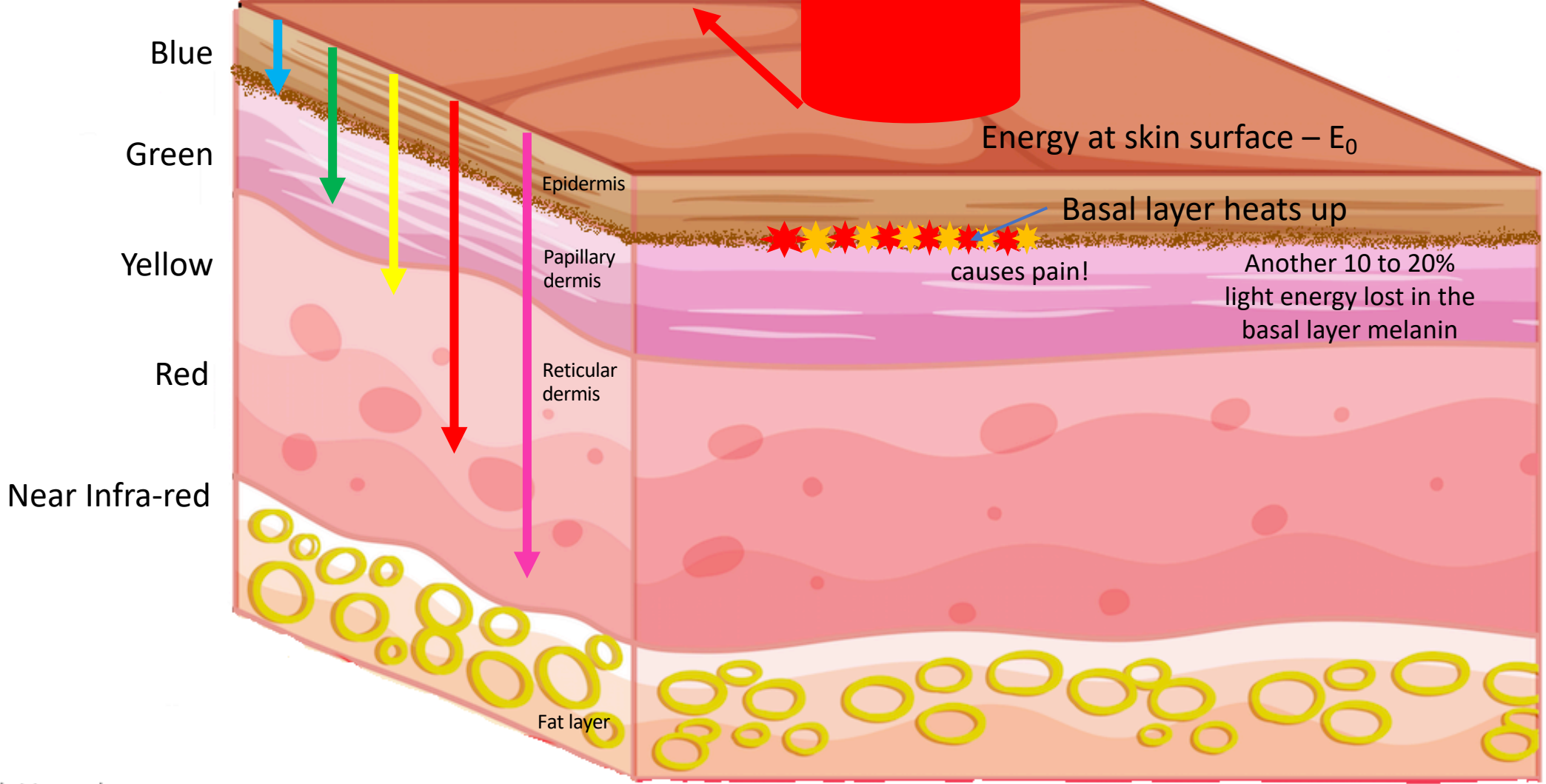
Spot diameter

Fluence (= energy / spot size area)

Between 4 and 7% of light lost at surface reflections



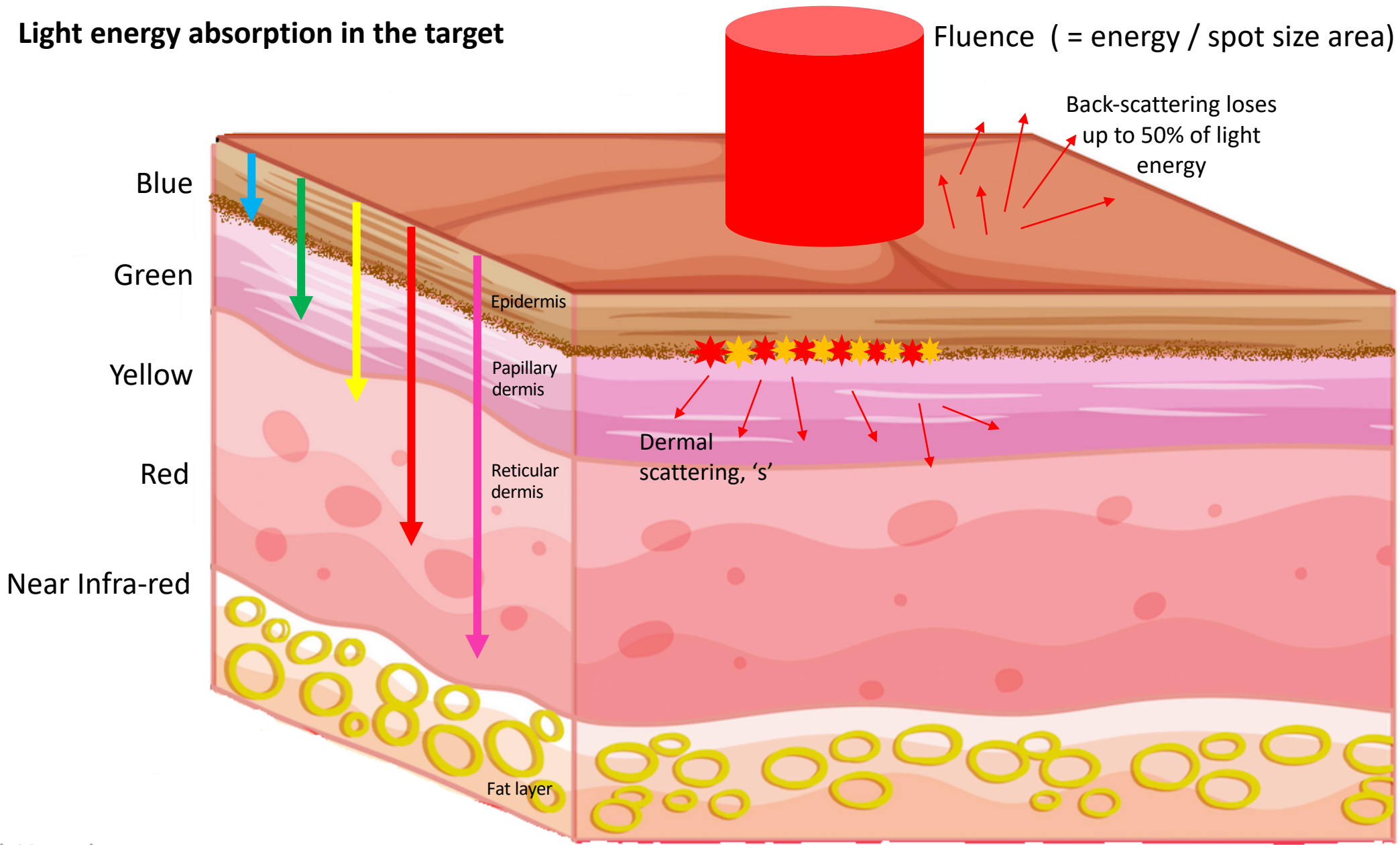
Energy at skin surface – E_0



Not to scale



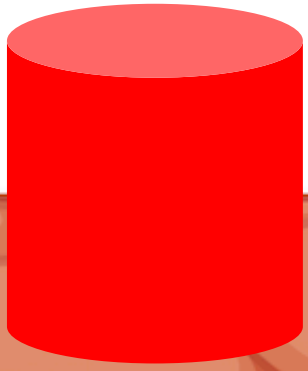
Light energy absorption in the target



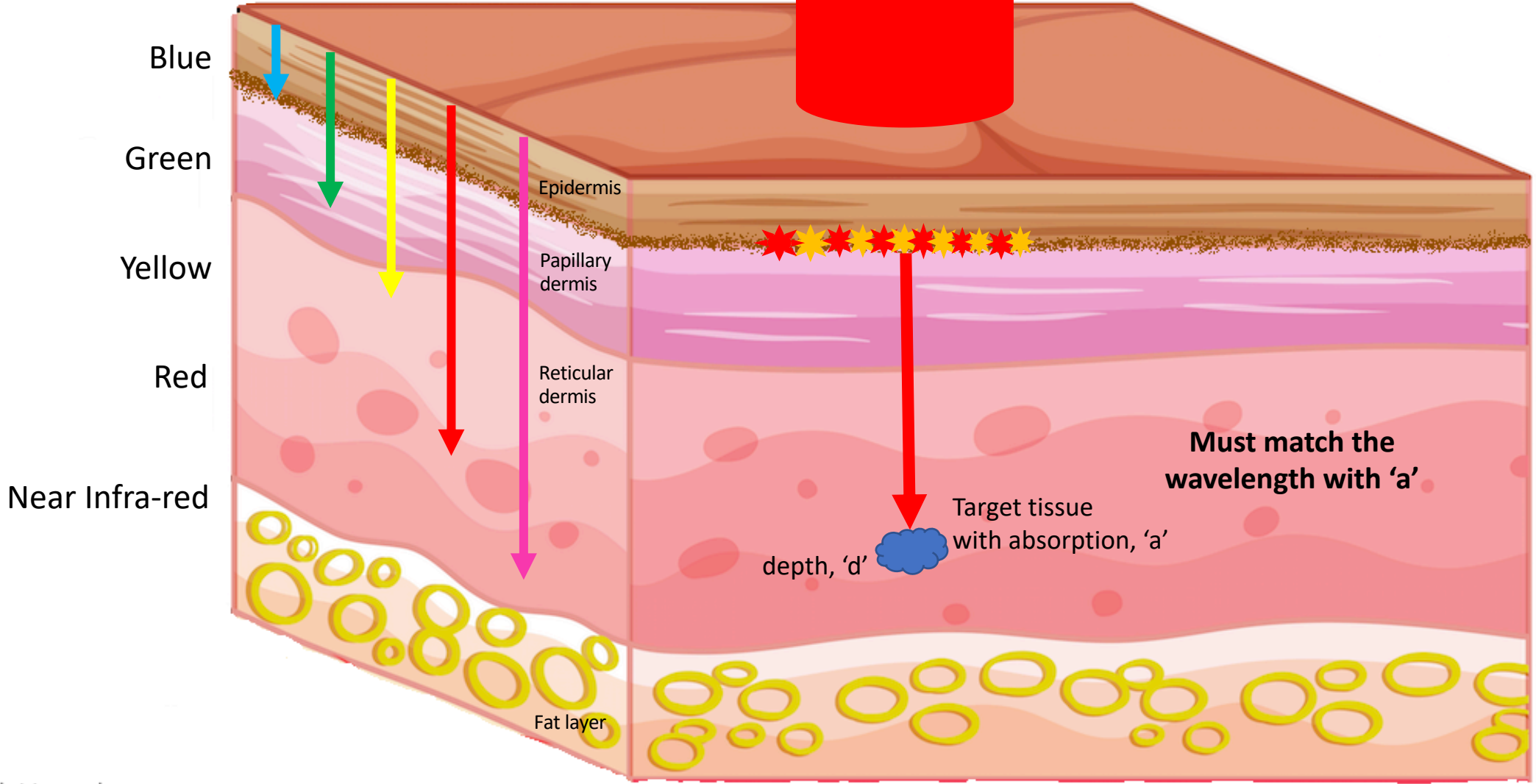
Not to scale



Light energy absorption in the target



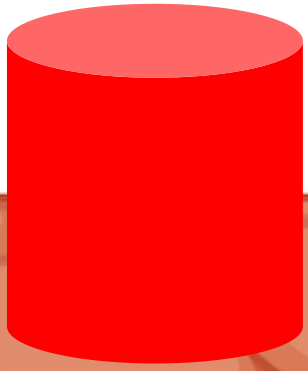
Fluence (= energy / spot size area)



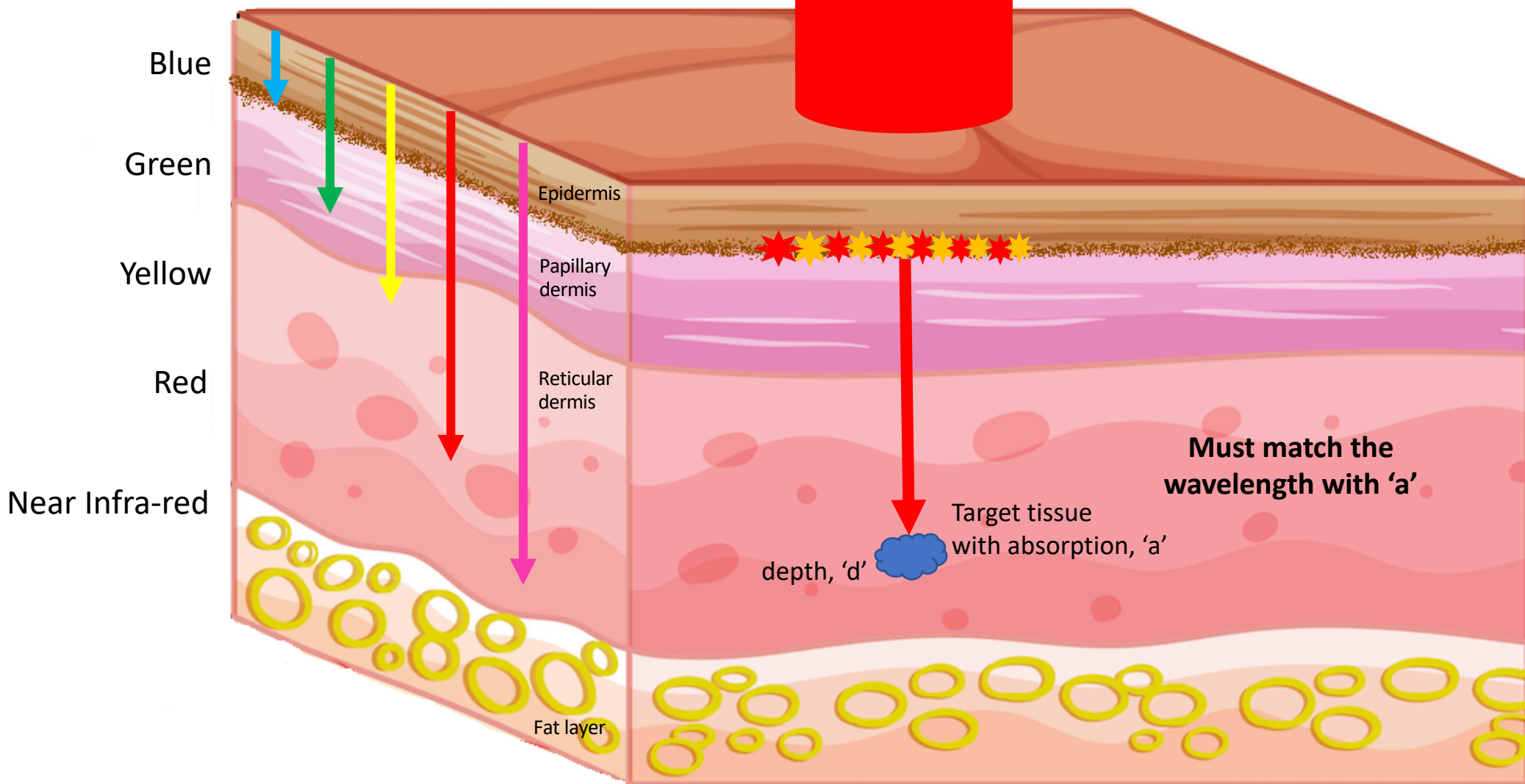
Not to scale



Light energy absorption in the target



Fluence (= energy / spot size area)



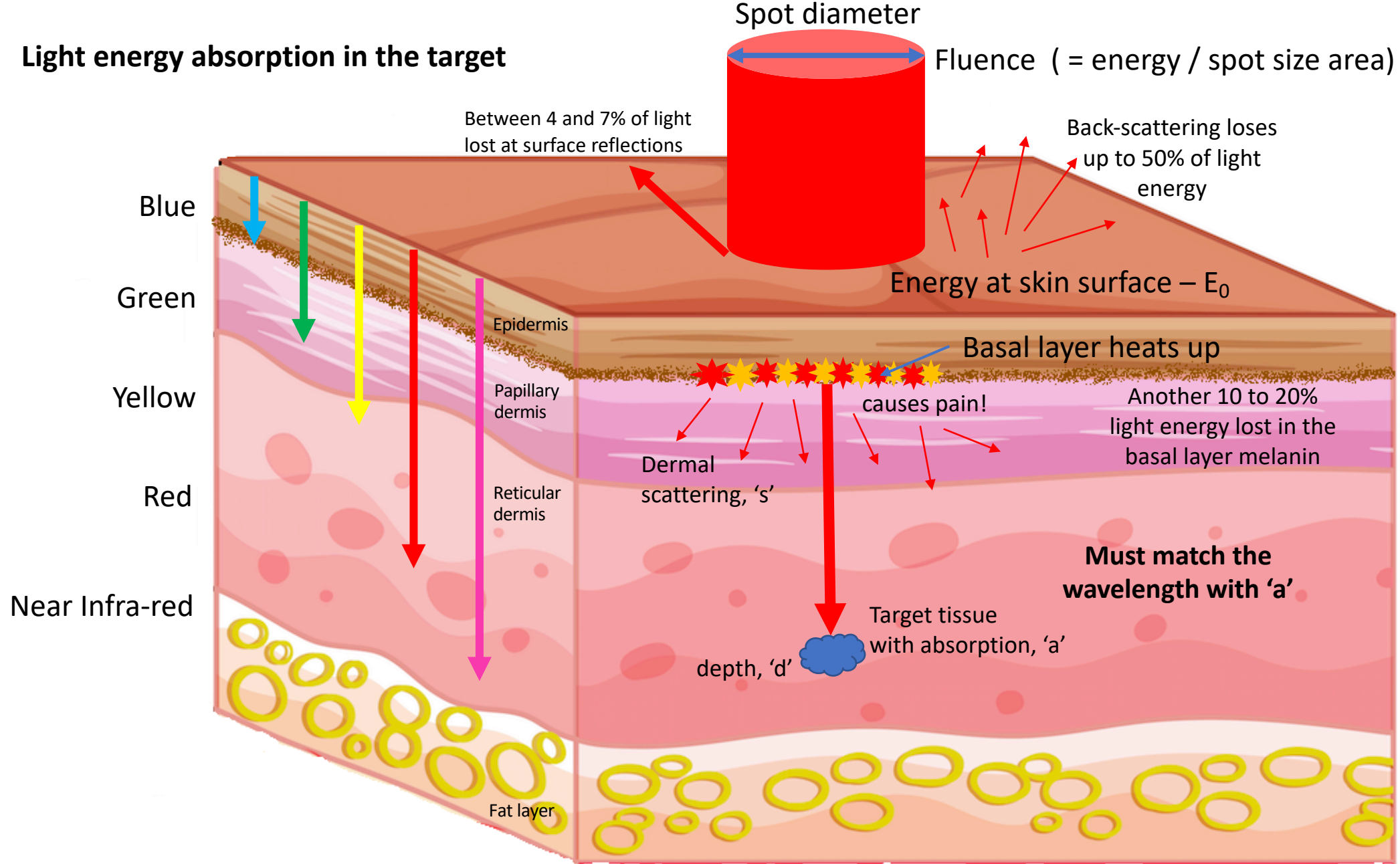
Useful penetration depth:
wavelength
spot diameter
energy, E_0

Energy absorbed by target:
wavelength
depth
absorption, 'a'
scattering, 's'

Not to scale



Light energy absorption in the target



Useful penetration depth:
wavelength
spot diameter
energy, E_0

Energy absorbed by target:
wavelength
depth
absorption, 'a'
scattering, 's'

Not to scale





Thanks for listening.

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