



An Introduction to Back Lighting

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TYPES OF BACK LIGHTING

Shooting into the Sun



Shooting into the Sun

- Composition and exposure
 - Position subject or object
 - Balanced exposure
 - Affect



1/400 sec at f/5.6 ISO 3200, 400mm

Shooting into the Sun

- Composition and exposure
 - Position subject or object
 - Balanced exposure
 - Affect
- Manual settings
 - Aperture
 - Shutter speed
 - ISO



1/125 sec at f/9.0 ISO100, 500mm

Shooting into the Sun

- Composition and exposure
 - Position subject or object
 - Balanced exposure
 - Affect
- Manual settings
 - Aperture
 - Shutter speed
 - ISO
- Tripod
 - Multiple exposures
 - HDR



1/8 sec at f/20, ISO 400, 24mm

Shooting into the Sun

- Composition and exposure
 - Position subject or object
 - Balanced exposure
 - Affect
- Manual settings
 - Aperture
 - Shutter speed
 - ISO
- Tripod
 - Multiple exposures
 - HDR
- Long Exposure
 - Filters



25 secs at f/11, ISO 200, 73mm
(EF24-105mm f4L IS USM)

TYPES OF BACK LIGHTING

PROJECTED LIGHT BEHIND
SUBJECT

1/60 sec at f/9.0, ISO 160, 47mm

Projected light from behind



1/60 sec at f/5.6, ISO 2500, 32mm

TYPES OF BACK LIGHTING

Silhouette

1/160sec at f/6.3, ISO 6400, 500mm



Silhouette

- Expose for the background

1/125 sec at f/14, ISO 6400, 70mm



Silhouette

- Expose for the background
- Spot metering

1/160 sec at f/4.5, ISO 400, 50mm



Silhouette

- Expose for the background
- Spot metering
- Partial metering

1/50 sec at f/16, ISO100 17mm



Silhouette

- Expose for the background
- Spot metering
- Partial metering
- Filters

1/40 sec at f/18, ISO 100, 50mm



Silhouette

- Expose for the background
- Spot metering
- Partial metering
- Filters
- Composure

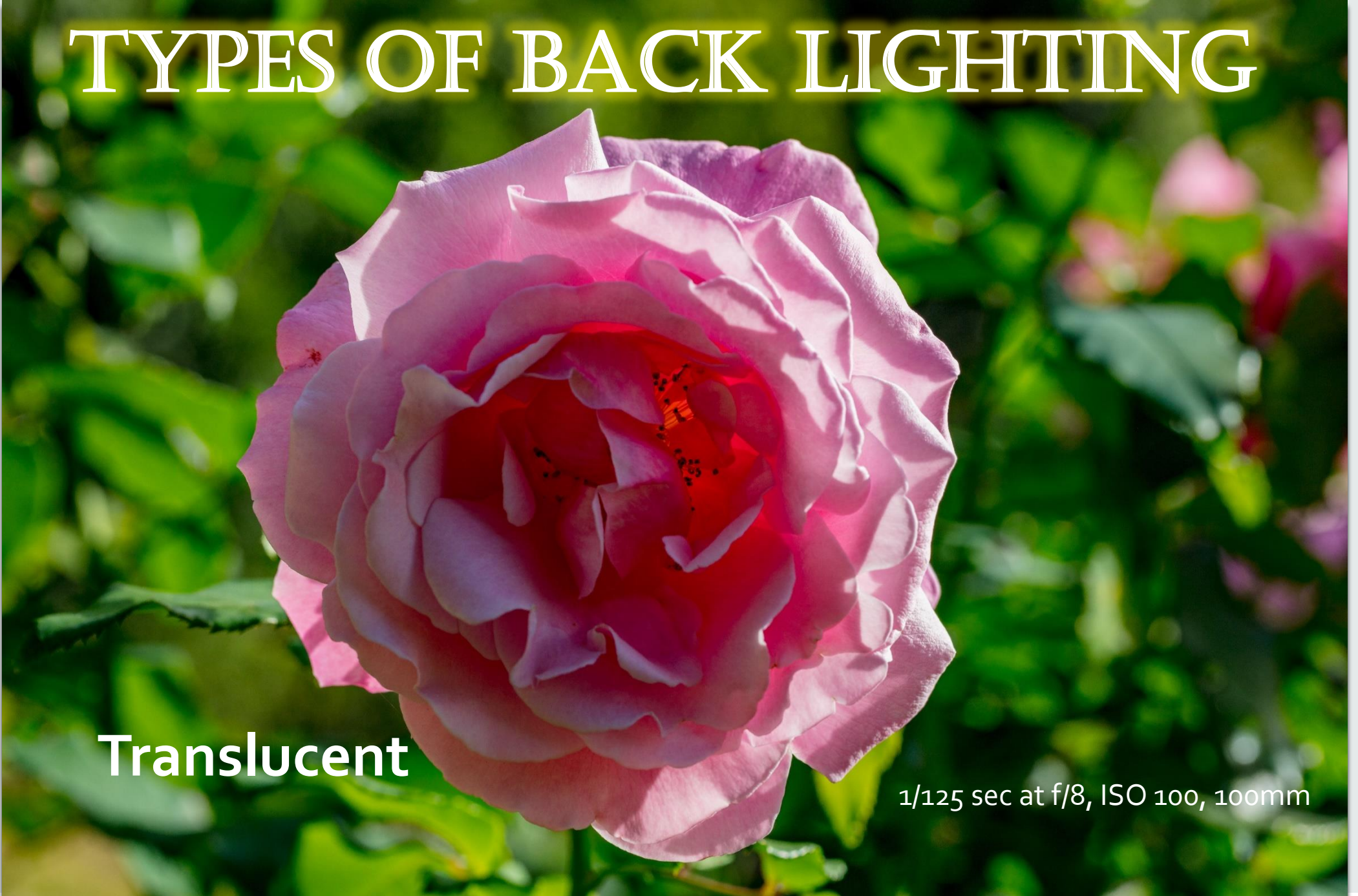
1/40 sec at f/5.6, ISO 200, 105mm



TYPES OF BACK LIGHTING

Translucent

1/125 sec at f/8, ISO 100, 100mm



Translucent

- Small to medium aperture
 - Depth of field
 - Bokeh
 - Subject separation
 - Exposure on subject
 - Dark background



1/160sec at f/4.0 ISO 500, 24mm

Portraits

Correct exposure for subject

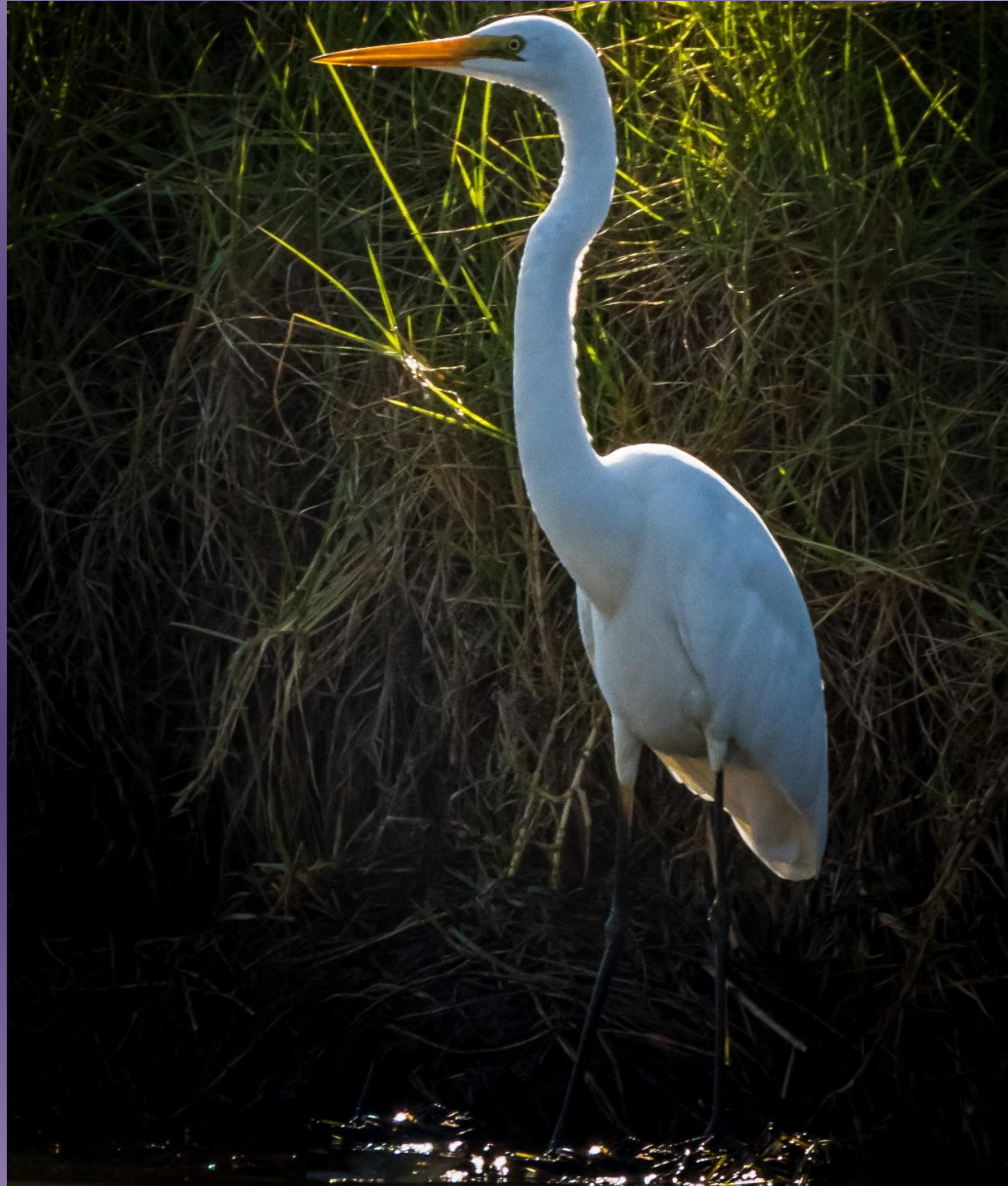
1/125 sec at f/4.5, ISO 1200, 95mm



Portraits

Rim Lighting

1/1000 sec at f/5.6, ISO 200, 95mm



Portraits

Lens Flare (lens hood)

1/125 sec at f/14, ISO5000, 70mm



Portraits

Metering type – Spot metering

1/80 sec at f/9, ISO 3200, 55mm



Portraits

Manual exposure setting

– shutter speed

– Aperture

- ISO

1/15 sec at f/5, ISO 800, 105mm



Portraits

Composition

1/125 sec at f/18, ISO 5000, 200mm



Planning

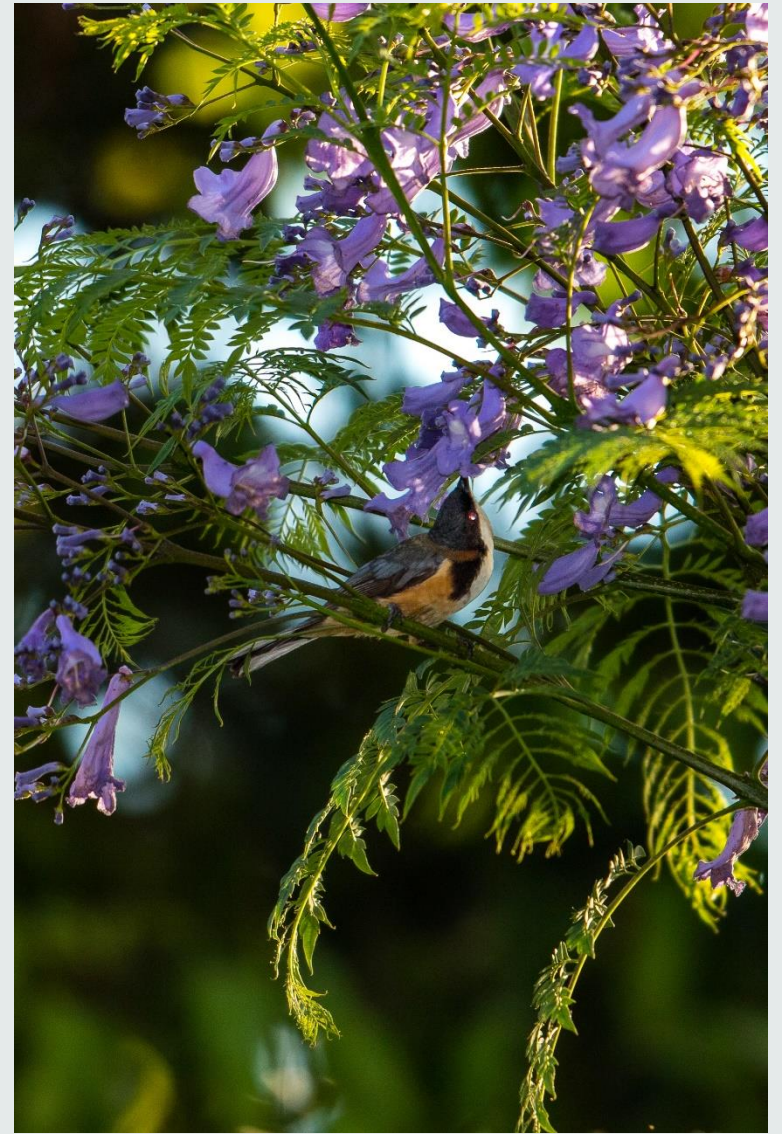
Time of day for natural lighting

Golden Hour

Dynamic range limits tone and colour in shadows

Subject and location selection

- Flowers in the garden
- Dew and water droplets in the backyard
- Portraits on a beach
- People in public areas
- Trees in a field
- Sunrise / sunset landscapes



0.4 sec at f/5, ISO 100, 16mm



Lens selection

- Large apertures
 - Depth of field
 - Bokeh
 - Softness

Wide angle v's telephoto



Wide Angle Lens



2.5 sec at f/16, ISO 100, 84mm

Telephoto Lens



1/1250 sec at f/11, ISO 400, 400mm

Fill light

- Strobe or flash / Speedlight
- Reflector
- Fixed light
- No fill light (silhouette)

Considerations

- Distance to subject
- Power setting
- Use histogram
- Filters
- Direction of light
- Multiple light source
- Subject angle to light
- White balance 5400
- Perspective angle

<https://www.youtube.com/watch?v=BE6miZyHoeU>

https://www.youtube.com/channel/UCTSgfO_OkfRX8dm4YhCg3fg

SLR Lounge with Pye Jirsa

Reflectors

- Grey board
 - White board or fabric
 - Silver or gold
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- **Why we use reflectors**
 - Soften exposure
 - Fill light in shadows
 - Reduce overexposure



HDR in camera

Auto HDR

- Bracketing
- Exposure

Post edit HDR

- Multiple exposure blending

Manual settings and lighting

- Metering of flash
 - High speed syncing
- Aperture mode
 - Exposure for ambient light
 - Flash metering for subject - TTL
 - Off camera Soft box v's on camera Speedlight
- ISO 100, 1/200sec, F/4 200mm
- ISO 100, 1/400sec, f/2.8 100mm
- ISO 400, 1/100sec, f/14



Post editing

