PAR Revival Schedule (now shows

all three sensors

side-by-side)

Phase	Time window	Lamp %	Target PAR(µmol m^{-2} s^{-1})	LI-COR(µmol)	QSL-1463 raw	QSL-1463 × 1.07	QSL-1448 raw	QSL-1448 × 1.90
2 · Gentle PAR Primer	12 – 48 h	**11 %**	10	**10.21**	12.64 (+24 %)	13.52 (+32 %)	5.42 (–47 %)	10.30 (+1 %)
3 · Moderate Ramp	48 – 72 h	**35 %**	25	**25.08**	23.48 (– 6 %)	25.12 (+0 %)	13.25 (–47 %)	25.18 (+0 %)
4 · High-Mod Boost *(opt.)*	72 – 96 h	**≈ 70 %**	50	**50**†	46.7 (– 7 %)	50.0 (+0 %)	26.3 (–47 %)	50.0 (+0 %)

* Percentages in brackets are deviations from the LI-COR reading.

† 70 % lamp is a linear extrapolation from your 11 % → 10 µmol and 35 % → 25 µmol measurements; confirm with LI-COR before use.

How to read & use the table

- **Bold LI-COR column** = the photon-flux you actually program your lamp to deliver.
- **QSL-1463**
  - *Raw* shows the meter's uncorrected behaviour.
  - *× 1.07* applies a single gain that aligns it to LI-COR at mid-range; it slightly **over-reads at 10 µmol** but lands perfectly at ≥ 25 µmol.
- **QSL-1448**
  - *Raw* under-reads by ~47 % at every level.

- × *1.90* brings it into line (≤ 1 % error after correction).

With this snapshot you—and anyone who steps into the lab—can **see at a glance** how each instrument tracks the light field, pick the meter you trust for quick spot-checks, and recognise when any probe drifts out of its lane.

Updated phase card (integrated into the original schedule)

Phase	Hours	PAR set-point	Lamp %	Verification checklist (log at start & every 6 h)
1. Rehydration (dark)	0 – 12	0	OFF	–
2. Gentle PAR Primer	12 – 48	10 µmol	**11 %**	**LI-COR ≈ 10**; QSL-1463 ≈ 12.6 (raw) / 13.5 (×1.07); QSL-1448 ≈ 5.4 (raw) / 10.3 (×1.90) .pdf](file-service://file-HWJ3oxyoi2ufPwZUavuZSx)
3. Moderate Ramp	48 – 72	25 µmol	**35 %**	**LI-COR ≈ 25**; QSL-1463 ≈ 23.5 (raw) / 25.1 (×1.07); QSL-1448 ≈ 13.3 (raw) / 25.2 (×1.90) .pdf](file-service://file-HWJ3oxyoi2ufPwZUavuZSx)
4. High-Mod Boost (opt.)	72 – 96	50 µmol	**≈ 70 %**	**LI-COR ≈ 50**; QSL-1463 ≈ 46.7 (raw) / 50.0 (×1.07); QSL-1448 ≈ 26.3 (raw) / 50.0 (×1.90) .pdf](file-service://file-HWJ3oxyoi2ufPwZUavuZSx)
5. Switch to UV	96 h →	0	OFF	Begin UV protocol

Practical take-aways

- **Set intensity with the LI-COR**, then jot the matching readings from both QSLs (raw + corrected) into your logbook.
- **QSL-1463** is a solid drift sentinel once you apply × 1.07; use it for the six-hourly checks.
- **QSL-1448** is serviceable after × 1.90 but still shows larger scatter—keep it as a redundancy probe.
- If any corrected reading strays > 10 % from the targets above, re-set the lamp with LI-COR and note the time.