

Noblelight® UV Curing Conveyor Systems



LC6B



DRS 10/12



DRS 10/12QN

Excelitas Noblelight's advanced UV curing conveyor technology delivers efficiency, flexibility and unparalleled reliability. From benchtop conveyors to fully-engineered floor standing systems – we provide a wide range of standard and optional features for use with our microwave-powered and LED UV curing systems.

These UV curing conveyors are suitable for production, laboratory and R&D applications. Both formulating chemists and manufacturing production managers use these conveyors to test UV-curable adhesives, inks and coatings while developing new formulations, testing cure response, assessing performance and for low-volume or short production runs.

Benefits:

- Compact, efficient design
- Rugged with built-in safety features
- Cost effective pre-engineered solution for use with Noblelight UV curing systems

Tailor the conveyor for your specific processes – or let our UV Custom Systems Group provide an engineered solution for your unique requirements.

NobleLight

EXCELITAS
TECHNOLOGIES®

Excelitas Noblelight Models: LC6B/LC6B-2, DRS 10/12 and DRS 10/12QN

Features	LC6B/LC6B-2 Benchtop	DRS 10/12 Floor-standing	DRS 10/12QN Floor-standing
Power Options (select one)			
200/220 VAC, single phase, 50/60 Hz	—	S	A
115/230 VAC, single phase, 50/60 Hz	S	S	A
DRS 10/12 & QN Speed Options (select one)			
.3–4.6 m/min. (1–15 ft./min.)	—	O	O
1.5–22.9 m/min. (5–75 ft./min.)	—	O	O
3–45.7 m/min. (10–150 ft./min.)	—	O	O
4.6–68.6 m/min. (15–225 ft./min.)	—	O	O
10.7–152.4 m/min. (35–500 ft./min.)	—	O	O
LC6B/LC6B-2 Speed Options (select one)			
0.6–2.2 m/min. (2.0–7.2 ft./min.)	O	—	—
1–7 m/min. (3.3–23 ft./min.)	O	—	—
5–23 m/min. (16–75 ft./min.)	O	—	—
15–76 m/min. (50–250 ft./min.)	O	—	—
Lamp Options – 6"			
F300S/SQ – select one bulb H, H+, D, V	One lamp wide, one or two rows	Up to two lamps wide, one row	Up to two lamps wide, one or two rows†
LH6 Mark II* – select one bulb H, D, V	One lamp wide, one or two rows	Up to two lamps wide, one or two rows*	Up to two lamps wide, one or two rows†
Lamp Options – 10"			
LH10 Mark III & II – select one bulb H, H+, D, V	—	One lamp wide, one or two rows	One lamp wide, one or two rows
F600S – select one bulb H, H+, D, V	—	One lamp wide, one or two rows	One lamp wide, one or two rows
LED Option			
Semray® UV4203	A	A	A
Conveyor Specifications			
Conveyor Belt Width	158.8 mm (6.3 in.)	355 mm (14 in.)	355 mm (14 in.)
Overall Length	1,070 mm (42 in.)	1,676 mm (66 in.)	2,312 mm (91 in.)
Overall Width	510 mm (20 in.)	813 mm (32 in.)	1,067 mm (42 in.)
Overall Height Without Lamp	310 mm (12.2 in.)	988.3 mm (38.9 in.)	988.3 mm (38.9 in.)
Overall Height With Lamp	695 mm (27.4 in.)	1,493.5 mm (58.8 in.)	1,493.5 mm (58.8 in.)
Lamp Focus Height‡	53.4–129.5 mm	53.4–154.9 mm	53.4–154.9 mm
Rotatable Boots: LC6B & DRS 10/12QN****	(2.1–5.1 in.)	(2.1–6.1 in.)	(2.1–6.1 in.)
Conveyor Belt Height	Tabletop	810 mm (32 in.) ±51 mm (2.0 in.)	810 mm (32 in.) ±51 mm (2.0 in.)
Belt Direction	L to R or R to L	L to R or R to L	L to R or R to L
Inerted – With Chill Bed	—	—	<50 ppm @ 50 fpm .25 in. snout opening (15 mpm 6.4 mm)
Oxygen Analyzer	—	—	O
Exhaust Blower	O – External	Integrated***	O – External
Quartz Plate	O – Deflector**	O – Deflector**	S
Exhaust Duct	45 mm x 575 mm (1.8 in. x 22.6 in.) 200 mm (0–7.9 in.) dia.	149 mm x 298 mm (5.9 in. x 11.8 in.)	254 mm (10 in.)
External End Reflectors	O	—	—
Snap In Light Shields	O	—	—
Part Height Max.	Up to 76.2 mm (3 in.)	Up to 101 mm (4 in.)	Up to 101 mm (4 in.)
Continuous Adjustment – must use top connector	—	O	O
Caster Base	—	O	A

Notes: *LH6 Mark II two lamps–DRS conveyors only have two power supply openings. †Lamps are focused at 53.4 mm (2.1 in.). **Deflector will reduce max. part height. *** 45.3 m³/min. (1,600 cfm) @ 2 in. SP (outlet). ****DRS 10/12QN boot for rotation only (focal adjustment via Suspa Lift Mechanism). †Only two power supply slots are available in the conveyor base. S = Standard. O = Optional. — = N/A. A = Available as a custom solution. Please inquire.

ISO 9001 Certified QMS



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