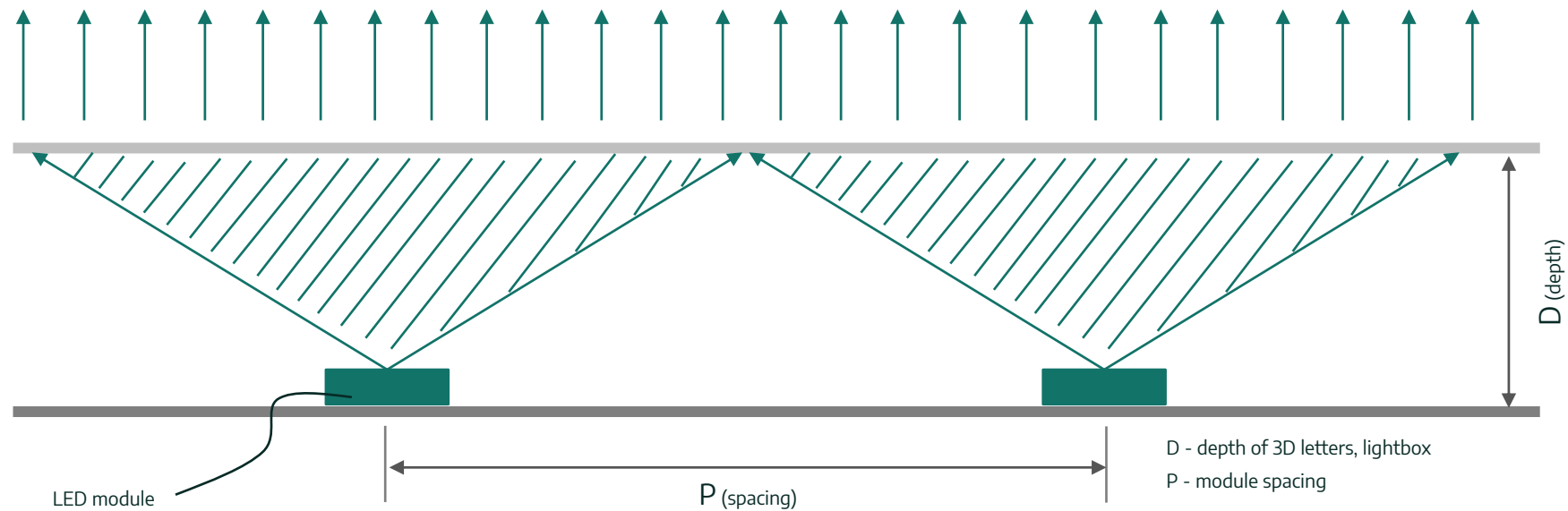


APPLICATION GUIDE FOR **PROLED-SLIM** SERIES LED MODULES

Application



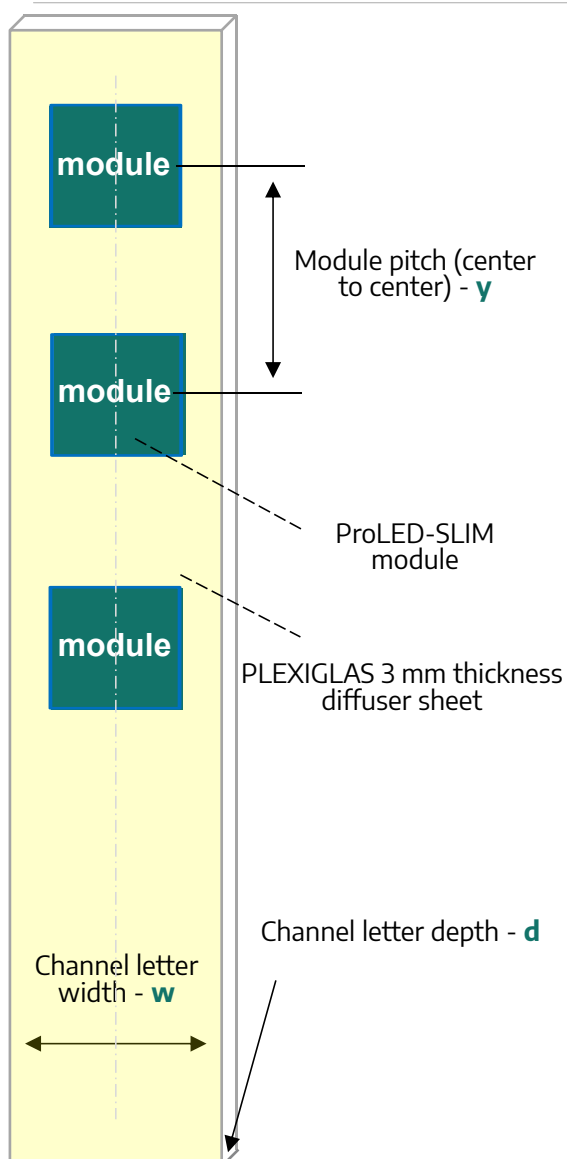
$$\text{Optical performance proportion} = \frac{D}{P} = 1:2.5$$

The proportion of “P” and “D” can show the performance of lens optics design.

The bigger proportion, the wider light spot.

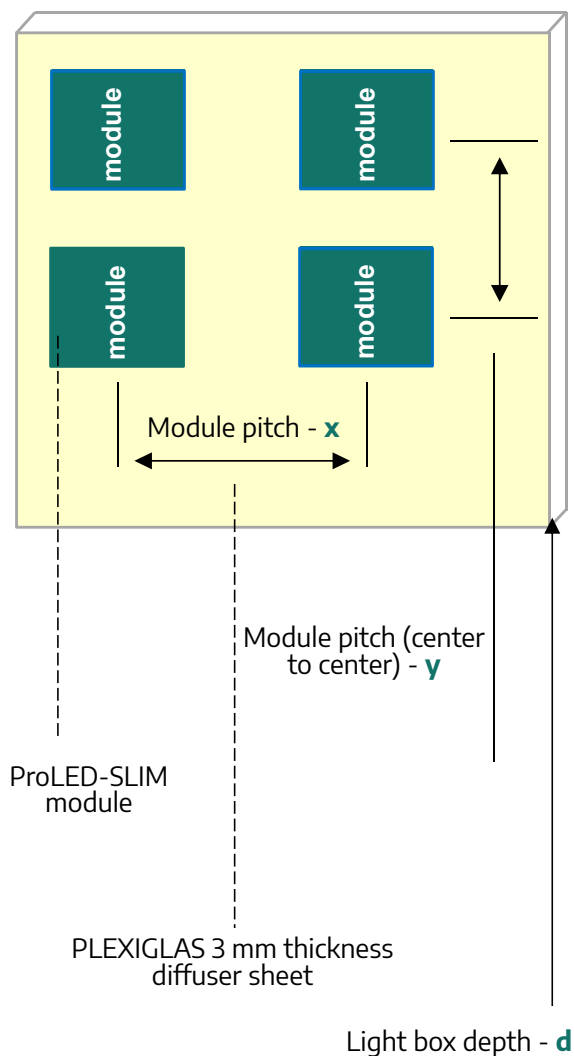
The proportion is for reference from lab, actual layout need based on real application.

Application - channel letter



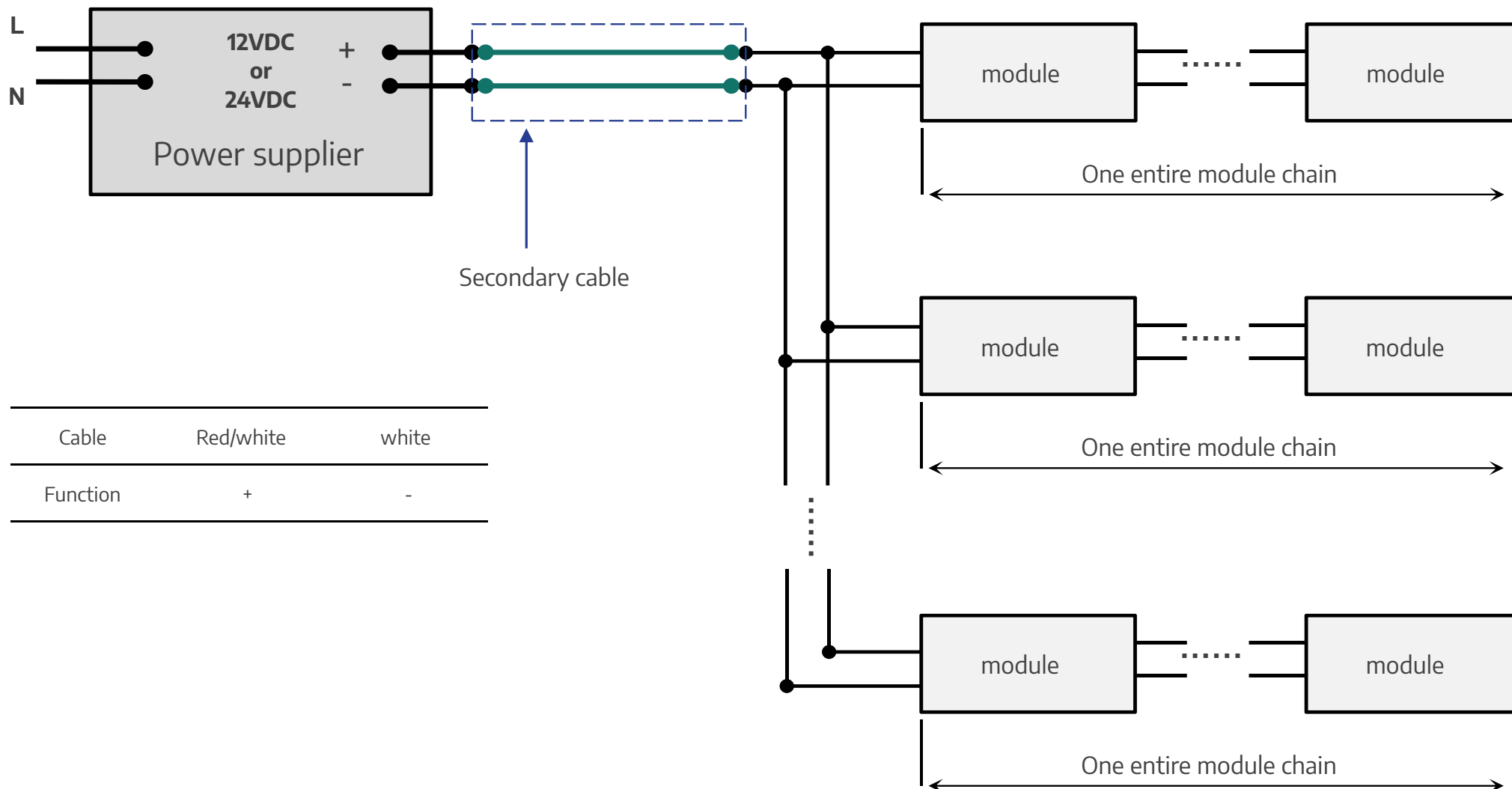
Product	Channel letter and installation dimension (mm)			Illuminance: PLEXIGLAS WH02 (light transmission rate 44%, low light scattering)			Illuminance: PLEXIGLAS WH73 (light transmission rate 23%, low light scattering)		
model	d	w	y	lx	nit	uniformity	lx	nit	uniformity
ProLED-1W-SLIM	25	50	60	9337	2521	94%	7283	1966	94%
	30	75	60	7371	1990	94%	5750	1552	94%
	40	100	75	4606	1244	94%	3592	970	94%
	50	150	100	2324	627	93%	1806	488	94%
ProLED-2W-SLIM	30	70	75	11366	3069	95%	8866	2394	94%
	40	100	100	7144	1929	95%	5572	1504	94%
	50	150	100	4686	1265	94%	3642	983	94%
	60	150	150	3071	829	96%	2395	647	95%
ProLED-3W-SLIM	40	100	125	8549	2308	96%	6668	1800	95%
	50	150	150	4907	1325	96%	3814	1030	95%
	60	150	175	3938	1063	97%	3071	829	96%
	70	150	175	3623	978	97%	2826	763	96%
ProLED-4W-SLIM	40	100	150	9961	2689	95%	7769	2098	95%
	50	150	150	6533	1764	94%	5078	1371	95%
	60	150	175	5243	1416	95%	4090	1104	95%
	70	150	200	4020	1085	95%	3135	847	95%

Application - light box



Product	Light box and installation (mm)			Illuminance: PLEXIGLAS WH02 (light transmission rate 44%, low light scattering)			Illuminance: PLEXIGLAS WH73 (light transmission rate 23%, low light scattering)		
model	d	x	y	lx	nit	uniformity	lx	nit	uniformity
ProLED-1W-SLIM	25	50	50	13904	3754	87%	10152	2741	87%
	30	75	75	7068	1908	87%	5188	1401	86%
	40	100	75	4799	1296	86%	3598	971	87%
	50	100	75	3612	975	87%	2699	729	87%
ProLED-2W-SLIM	30	100	75	10963	2960	88%	8048	2173	87%
	40	100	75	9677	2613	87%	7254	1959	88%
	50	125	110	4034	1089	88%	3014	814	88%
	60	150	110	3169	856	89%	2399	648	89%
ProLED-3W-SLIM	40	125	100	8908	2405	89%	6678	1803	90%
	50	150	115	5280	1426	89%	3945	1065	89%
	60	175	135	3160	853	91%	2392	646	91%
	70	175	135	2942	794	91%	2059	556	92%
ProLED-4W-SLIM	40	125	100	11861	3203	88%	8892	2401	89%
	50	150	125	6249	1687	88%	4670	1261	88%
	60	175	150	4208	1136	90%	3186	860	90%
	70	200	150	3264	881	90%	2285	617	91%

Wiring diagram



Note



1. Short for name in table: lx.: Average illuminance, nit.: Average luminance.
- 2. All the data is just for reference, final lighting effect will depend on the actual lighting box situation.**
3. All the measured data has $\pm 2\%$ tolerance.