

Office Lighting Deluxe Luminaire Series



Features

- No UV light radiation
- Full range of white colors available
- Ra>75 for white color
- High luminosity output
- Long lifetime>35000 hours(L₇₀)

Typical Applications

- Indoor Lighting
- Architectural Lighting
- Agricultural Lighting

Coding of Part Number:

OL – Deluxe / QL2 /P44

1 2 3 4

1. Product series

OL: Office Lighting

2. Luminaire Type

Deluxe: Luminaire for Light-Weight Steel Frames

3. Suitable Lighting Source

BL2: 10w Cobra x2

TL2: 10w Cobra x3

QL2: 10w Cobra x4

BL4: 20w Cobra x2

TL4: 20w Cobra x3

QL4: 20w Cobra x4

4. Estimated Power Consumption

P22: 22W (For BL2 only)

P33: 33W (For TL2 only)

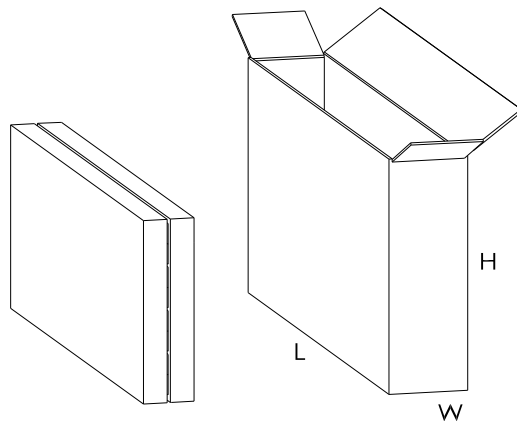
P44: 44W (For QL2 and BL4 only)

P66: 66W (For TL4 only)

P88: 88W (For QL4 only)

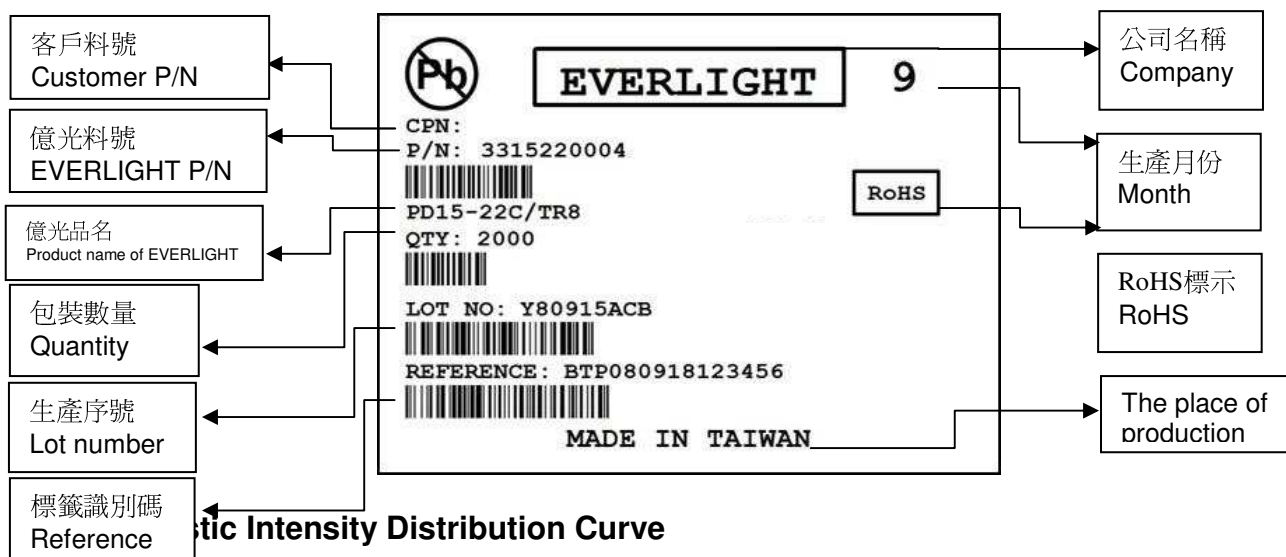
Parameter	Description
Suggested Light Source	Everlight Cobra Module
Operation Temperature	-20℃~+40℃
Storage Temperature	-20℃~+60℃
Power Input	100~240 VAC Input
Estimated Power Consumption	33 Watt For TL2 44 Watt For QL2, BL4 66 Watt For TL4 88 Watt For QL4
Power Supplier	AC to DC power source
Power Factor	100V AC/60Hz, PF>0.9 230V AC/50Hz, PF>0.9

Package information



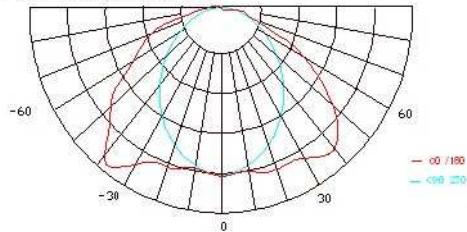
Size	Deluxe-BL2	Deluxe-TL2	Deluxe-QL2	Deluxe-BL4	Deluxe-TL4	Deluxe-QL4
L,mm	630	630	630	1210	1210	1210
W,mm	120	120	120	120	120	120
H,mm	270	630	630	270	630	630
Products per Carton, pcs	4	2	2	2	2	2
Weight, kg	7	7	7	8	14	14

Label Explanation

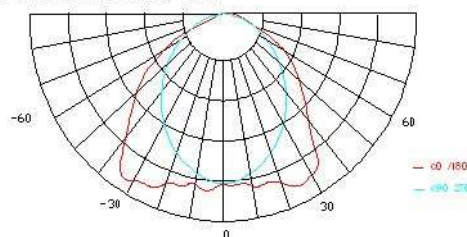


Photometric Intensity Distribution Curve

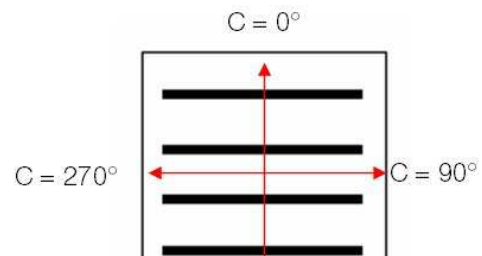
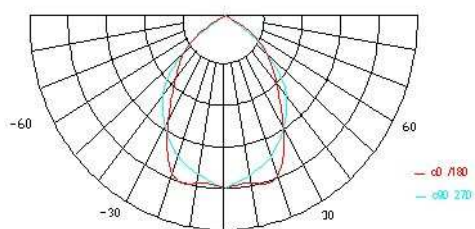
For Deluxe TL2, TL4



For Deluxe QL2, QL4



For Deluxe BL4



The intensity distribution curves measured by goniophotometer with suggested Zenaro LED T5 light tubes for light sources.

Illumination Lux Output*

OL-Deluxe-QL2**	HF				LF			
	3000K	4000K	5000K	6000K	3000K	4000K	5000K	6000K
Lux @ 1m	660	780	830	830	750	880	940	940
Lux @ 2m	180	215	230	230	210	245	260	260

*The values are measured by the TES 1336A lux meter. The above values are rounded and are for reference only.

The margin of error in lux meter : 5%.

**The value of lux measured with OL-Deluxe/QL2 luminaire and place in four SL-Cobra/T5 LED tubes.

Application Notes

To ensure optimal performance of the OL-Deluxe series Office Lighting, operation within parameters of this datasheet and understanding of the internal components is crucial.

LED T5 Tube

The light source of the OL-Deluxe series is suggested the Everlight LED T5 Cobra light tube. This LED light tube is **DC DRIVEN ONLY** and the power input should be **48VDC**. Driving the Everlight LED T5 Cobra light tube with AC power input may be hazardous and result in failure. The Everlight LED T5 Cobra in the OL-Deluxe can only be replaced by an equivalent Everlight LED T5 Cobra. This will greatly reduce the possibility of incompatible light sources that may be hazardous and result in failure.

When installing the Everlight LED T5 Cobra, please ensure that pins are properly placed within the socket and turned a full 90°. This will ensure optimal light output and performance.

The lens of the Everlight LED T5 Cobra is composed of standard polycarbonate material. Unnecessary pressure or bending of the lens may result in puncturing or cracking the surface. Please handle with care.

Although the Everlight LED T5 Cobra is fitted with an aluminum heat sink, proper airflow will ensure optimal performance and lifetime.

Power Supply

The power supply is an AC to DC power transfer device rated at 50.9 W, 75.8 W and that has the capability to deliver an output of 48 VDC with a standard rated current of 0.96A and 1.44A. The input is rated at 100-240VAC 50/60Hz with a range capability of up to 90-264VAC 47-63Hz. The current max achievable is 1.06 A and 1.58 A.

Two pins each are reserved for both input and output power of the power supply. Please see the diagram below for pin configuration of the PSU.

Pin Layout

Section	Pin	Description
Conn1	L	Input
	N	Input
Conn2	V-	Gnd
	V+	Output

