



● **Product : Light Tube (driver outside)**



● **Mechanical Characteristics :**

Part Name	Type	Housing color	Housing material	Weight(Typical)
VT8O-xx0020-12-2w-L	T8 20W	Silver	Aluminum	430g±10%
VT8O-xx0010-80-2w-L	T8 10W	Silver	Aluminum	210g±10%
VT8O-xx0010-87-2w-L	T8 10W	Silver	Aluminum	215g±10%

● **Mechanical Characteristics :**

Part Name	Type	Power Consumption (Typical)	Operating Voltage (Typical)	Current
VT8O-xx0020-12-2w-L	T8 20W	20W	DC24V	800mA
VT8O-xx0010-80-2w-L	T8 10W	10W	DC12V	800mA
VT8O-xx0010-87-2w-L	T8 10W	10W	DC12V	800mA



● Environmental Characteristics :

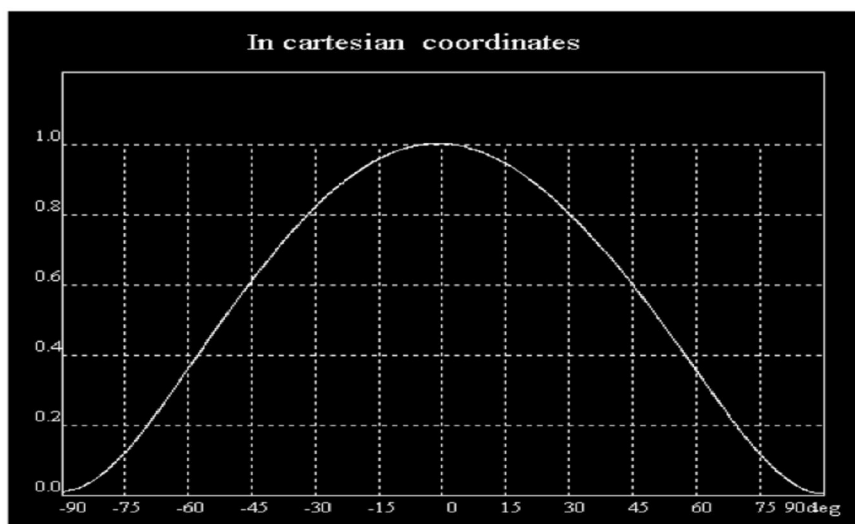
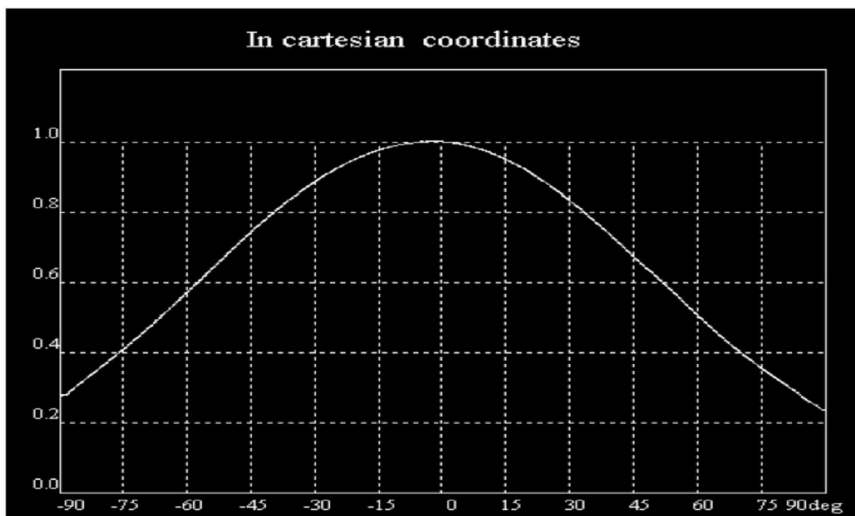
Operating Temperature			Storage Temperature		
Temperature		Humidity	Temperature		Humidity
Celsius	Fahrenheit		Celsius	Fahrenheit	
-30°C~40°C	-22°C~105°C	>50	-30°C~80°C	-22°C~176°C	>50

● Optical Characteristics :

Part Name	Type	CCT	Luminous(lm) (Typical)	View Angle (degree)
VT80-330020-12-2W-L	T8 20W	2800K-3300K	2250	140-180
VT80-480020-12-2W-L	T8 20W	4000K/4800K	2400	140-180
VT80-650020-12-2W-L	T8 20W	5500K/6500K	2600	140-180
VT80-330010-80-2W-L	T8 10W	2800K-3300K	1000	140-180
VT80-480010-80-2W-L	T8 10W	4000K/4800K	1100	140-180
VT80-650010-80-2W-L	T8 10W	5500K/6500K	1250	140-180
VT80-330010-87-2W-L	T8 10W	2800K/3300K	950	140-180
VT80-480010-87-2W-L	T8 10W	4000K/4800K	1050	140-180
VT80-650010-87-2W-L	T8 10W	5500K/6500K	1150	140-180



- X Direction : X line $\theta \geq 120^\circ$
- Y Direction : Y line $\theta \geq 140^\circ$



● Optical Characteristics :

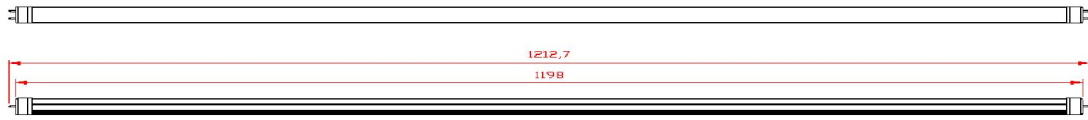
Part Name	Type	Lux @ 1m (Typical)		Lux @ 2m (Typical)		Lux @ 3m (Typical)	
		Open	T_bar	Open	T_bar	Open	T_bar
VT8O-xx0020-12-2W-L	T8 20W	400	500	160	200	64	80
VT8O-xx0010-80-2W-L	T8 10W	250	306	100	125	40	50
VT8O-xx0010-87-2W-L	T8 10W	230	290	90	110	30	35



● Optical Characteristics

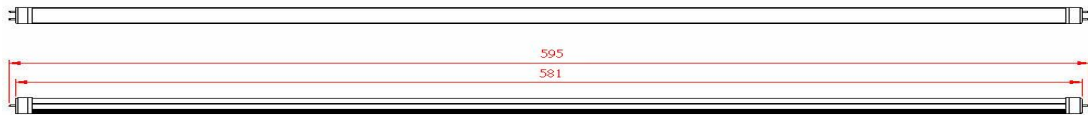
VT8O-xx0020-12-2W-L

Diameter : 28mm±10%



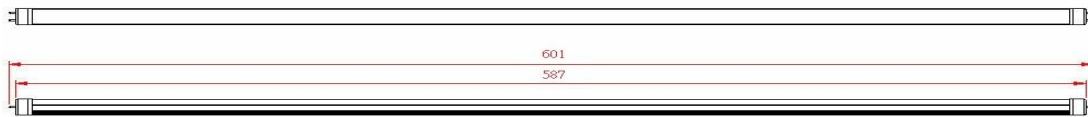
VT8O-xx0010-80-2W-L

Diameter : 28mm±10%



VT8O-xx0010-87-2W-L

Diameter : 28mm±10%





● Optical Characteristics

Each Light Tube / Paper BOX

1	1220 mm (length) x 36 mm (width) x 36 mm (height)
3	600 mm (length) x 36 mm (width) x 36 mm (height)
3	600 mm (length) x 36 mm (width) x 36 mm (height)



10 ea Light tube / Paper BOX

2	1238 mm (length) x 208 mm (width) x 93 mm (height)
4	616 mm (length) x 208 mm (width) x 93 mm (height)
4	616 mm (length) x 208 mm (width) x 93 mm (height)

POWER SUPPLY:

P/N	TYPE	TPD(total power dissipation)	INPUT	OUTPUT
VO-P20-20w-D	VR /20W	22W	AC90V~240V	DC24V/800mA
VO-P10-10w-D	VR /10W	11W	AC90V~240V	DC12V/800mA
VO-P10-10w-D	VR /10W	11W	AC90V~240V	DC12V/800mA