

ECOPTIMO T8

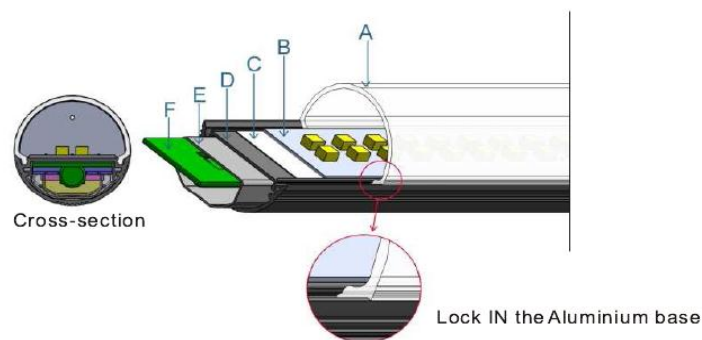


Features and Benefits

- Very high Energy Savings: More than 50% energy savings over traditional tubes
- Extremely bright
- High Ra-color Rendering Index
- Top Uniformity: LED source is a light panel that generates uniform brightness without hotspots or blinding effect.
- Long Life: 50,000 hrs (50% light depreciation)
- Widest Beam angle: 120°. Wide distribution without wasting light
- Wide voltage range: 85-265V
- Operating Temperature: -20°C to 55°C
- Available in 6 lengths
 - 600 mm : 10W
 - 900 mm : 12W
 - 1200 mm : 18W
 - 1500 mm : 24W
 - 1800 mm : 28W
 - 2400mm : 36W
- Available White Temperatures: 6000-7000K (White daily light), 4000-4500K (Netural white), 3000-3500K (Warm white)
- CE approved

External Structure

- A. PC cover with Japan material
- B. Base
- C. Silicone thermal pad(ZSA)
- D. D-shape Aluminum slot
- E. PC cover of power supply
- F. Power supply



Lifetime & Warranty

Expected Lifetime: 50.000 hrs

Warranty: 5 years

Luminous Intensity

Ecoptimo T8 tubes	Equal to Fluorescent tubes
10W	18W
12W	30W
18W	36W
24W	58W

Application

Applications where products illuminated are sensitive to IR (heat) and UV
 Office lighting, airports, difficult to maintain areas
 Factories & Warehouses
 Shopping malls & Supermarkets
 Dimmable applications with further energy savings

Series

Master series: CRI > 80 or CRI > 75

Pro series: CRI between 65 and 70

Technical Performance

Master series

CODE	REFERENCE	VOLTAGE	COLOR TEMPERATURE (K)	LIGHT OUTPUT (lm)	LENGTH (mm)	CRI	BEAM ANGLE (°)	TUBE DIAMETER (mm)	LED Q'TY	POSSIBLE TO DIM
20370282	ECOPTIMO Master 600mm 10W 85-265V WDL WH T8 D26	85-265 V	6000-7000	760	600	>80	120	26	144	No
20370283	ECOPTIMO Master 600mm 10W 85-265V NW WH T8 D26	85-265 V	4000-4500	600	600	>80	120	26	144	No
20370284	ECOPTIMO Master 600mm 10W 85-265V WW WH T8 D26	85-265 V	3000-3500	600	600	>75	120	26	144	No
20370285	ECOPTIMO Master 900mm 12W 85-265V WDL WH T8 D26	85-265 V	6000-7000	1190	900	>80	120	26	216	No
20370286	ECOPTIMO Master 900mm 12W 85-265V NW WH T8 D26	85-265 V	4000-4500	1040	900	>80	120	26	216	No
20370287	ECOPTIMO Master 900mm 12W 85-265V WW WH T8 D26	85-265 V	3000-3500	1040	900	>75	120	26	216	No
20370288	ECOPTIMO Master 1200mm 18W 85-265V WDL WH T8 D26	85-265 V	6000-7000	1620	1200	>80	120	26	288	No
20370289	ECOPTIMO Master 1200mm 18W 85-265V NW WH T8 D26	85-265 V	4000-4500	1470	1200	>80	120	26	288	No
20370290	ECOPTIMO Master 1200mm 18W 85-265V WW WH T8 D26	85-265 V	3000-3500	1470	1200	>75	120	26	288	No
20370291	ECOPTIMO Master 1500mm 24W 85-265V WDL WH T8 D26	85-265 V	6000-7000	2060	1500	>80	120	26	360	No
20370292	ECOPTIMO Master 1500mm 24W 85-265V NW WH T8 D26	85-265 V	4000-4500	1910	1500	>80	120	26	360	No
20370293	ECOPTIMO Master 1500mm 24W 85-265V WW WH T8 D26	85-265 V	3000-3500	1910	1500	>75	120	26	360	No
20370294	ECOPTIMO Master 1800mm 28W 85-265V WDL WH T8 D26	85-265 V	6000-7000	2490	1800	>80	120	26	432	No
20370295	ECOPTIMO Master 1800mm 28W 85-265V NW WH T8 D26	85-265 V	4000-4500	2340	1800	>80	120	26	432	No
20370296	ECOPTIMO Master 1800mm 28W 85-265V WW WH T8 D26	85-265 V	3000-3500	2340	1800	>75	120	26	432	No

CODE	REFERENCE	VOLTAGE	COLOR TEMPERATURE (K)	LIGHT OUTPUT (lm)	LENGTH (mm)	CRI	BEAM ANGLE (°)	TUBE DIAMETER (mm)	LED Q'TY	POSSIBLE TO DIM
20370297	ECOPTIMO Master 2400mm 36W 85-265V WDL WH T8 D26	85-265 V	6000-7000	3450	2400	>80	120	26	576	No
20370298	ECOPTIMO Master 2400mm 36W 85-265V NW WH T8 D26	85-265 V	4000-4500	3300	2400	>80	120	26	576	No
20370299	ECOPTIMO Master 2400mm 36W 85-265V WW WH T8 D26	85-265 V	3000-3500	3300	2400	>75	120	26	576	No

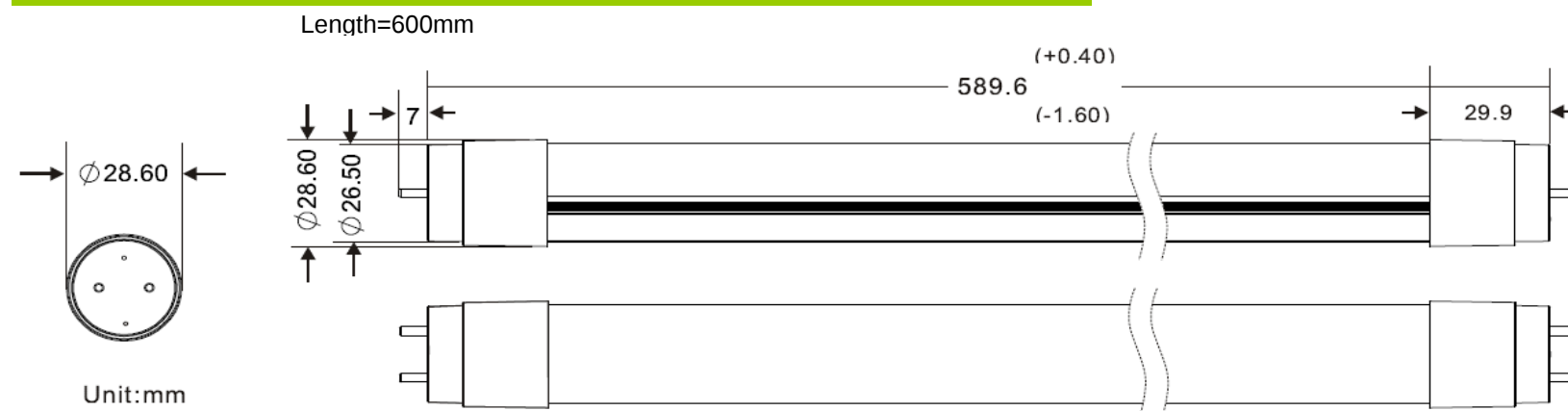
Pro series

CODE	REFERENCE	VOLTAGE	COLOR TEMPERATURE (K)	LIGHT OUTPUT (lm)	LENGTH (mm)	CRI	BEAM ANGLE (°)	TUBE DIAMETER (mm)	LED Q'TY	POSSIBLE TO DIM
20370300	ECOPTIMO Pro 600mm 10W 85-265V WDL WH T8 D26	85-265 V	6000-7000	860	600	65-70	120	26	144	No
20370301	ECOPTIMO Pro 600mm 10W 85-265V NW WH T8 D26	85-265 V	4000-4500	700	600	65-70	120	26	144	No
20370302	ECOPTIMO Pro 600mm 10W 85-265V WW WH T8 D26	85-265 V	3000-3500	700	600	65-70	120	26	144	No
20370303	ECOPTIMO Pro 900mm 12W 85-265V WDL WH T8 D26	85-265 V	6000-7000	1290	900	65-70	120	26	216	No
20370304	ECOPTIMO Pro 900mm 12W 85-265V NW WH T8 D26	85-265 V	4000-4500	1140	900	65-70	120	26	216	No
20370305	ECOPTIMO Pro 900mm 12W 85-265V WW WH T8 D26	85-265 V	3000-3500	1140	900	65-70	120	26	216	No
20370306	ECOPTIMO Pro 1200mm 18W 85-265V WDL WH T8 D26	85-265 V	6000-7000	1720	1200	65-70	120	26	288	No
20370307	ECOPTIMO Pro 1200mm 18W 85-265V NW WH T8 D26	85-265 V	4000-4500	1570	1200	65-70	120	26	288	No
20370308	ECOPTIMO Pro 1200mm 18W 85-265V WW WH T8 D26	85-265 V	3000-3500	1570	1200	65-70	120	26	288	No

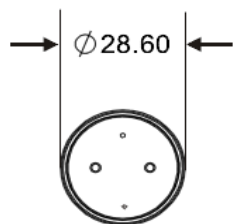
CODE	REFERENCE	VOLTAGE	COLOR TEMPERATURE (K)	LIGHT OUTPUT (lm)	LENGTH (mm)	CRI	BEAM ANGLE (°)	TUBE DIAMETER (mm)	LED Q'TY	POSSIBLE TO DIM
20370309	ECOPTIMO Pro 1500mm 24W 85-265V WDL WH T8 D26	85-265 V	6000-7000	2160	1500	65-70	120	26	360	No
20370310	ECOPTIMO Pro 1500mm 24W 85-265V NW WH T8 D26	85-265 V	4000-4500	2010	1500	65-70	120	26	360	No
20370311	ECOPTIMO Pro 1500mm 24W 85-265V WW WH T8 D26	85-265 V	3000-3500	2010	1500	65-70	120	26	360	No
20370312	ECOPTIMO Pro 1800mm 28W 85-265V WDL WH T8 D26	85-265 V	6000-7000	2590	1800	65-70	120	26	432	No
20370313	ECOPTIMO Pro 1800mm 28W 85-265V NW WH T8 D26	85-265 V	4000-4500	2440	1800	65-70	120	26	432	No
20370314	ECOPTIMO Pro 1800mm 28W 85-265V WW WH T8 D26	85-265 V	3000-3500	2440	1800	65-70	120	26	432	No
20370315	ECOPTIMO Pro 2400mm 36W 85-265V WDL WH T8 D26	85-265 V	6000-7000	3450	2400	65-70	120	26	576	No
20370316	ECOPTIMO Pro 2400mm 36W 85-265V NW WH T8 D26	85-265 V	4000-4500	3300	2400	65-70	120	26	576	No
20370317	ECOPTIMO Pro 2400mm 36W 85-265V WW WH T8 D26	85-265 V	3000-3500	3300	2400	65-70	120	26	576	No

WDL: White Daily Light NW: Neutral White WW: Warm White

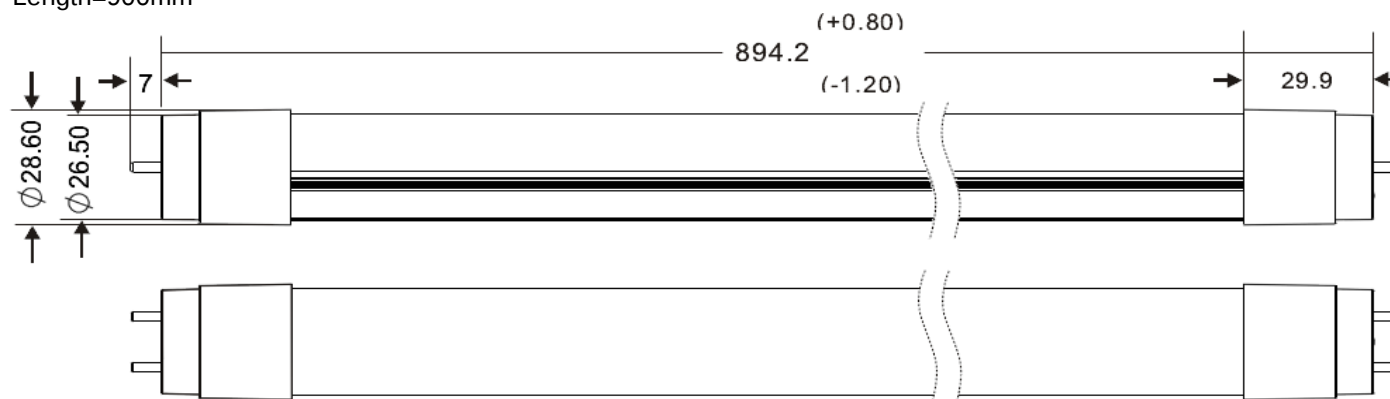
Dimensions



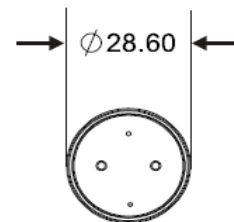
Length=900mm



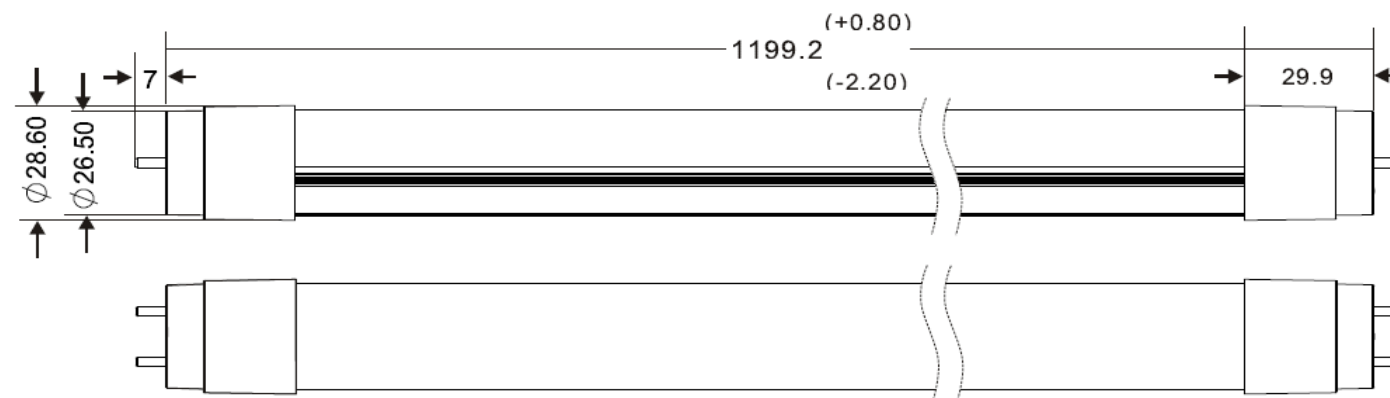
Unit:mm



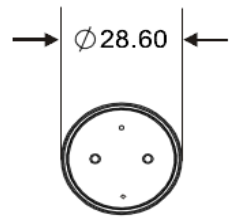
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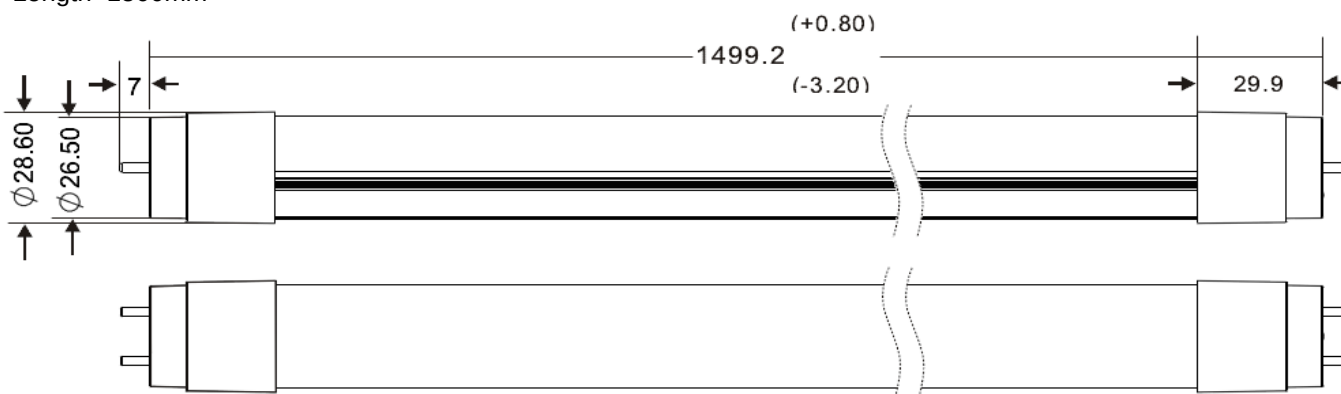
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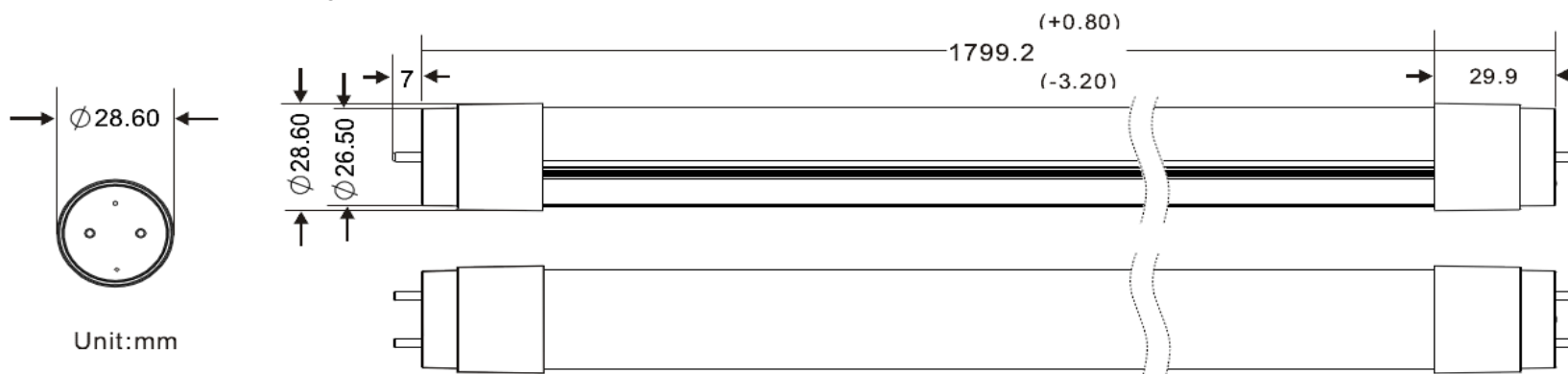
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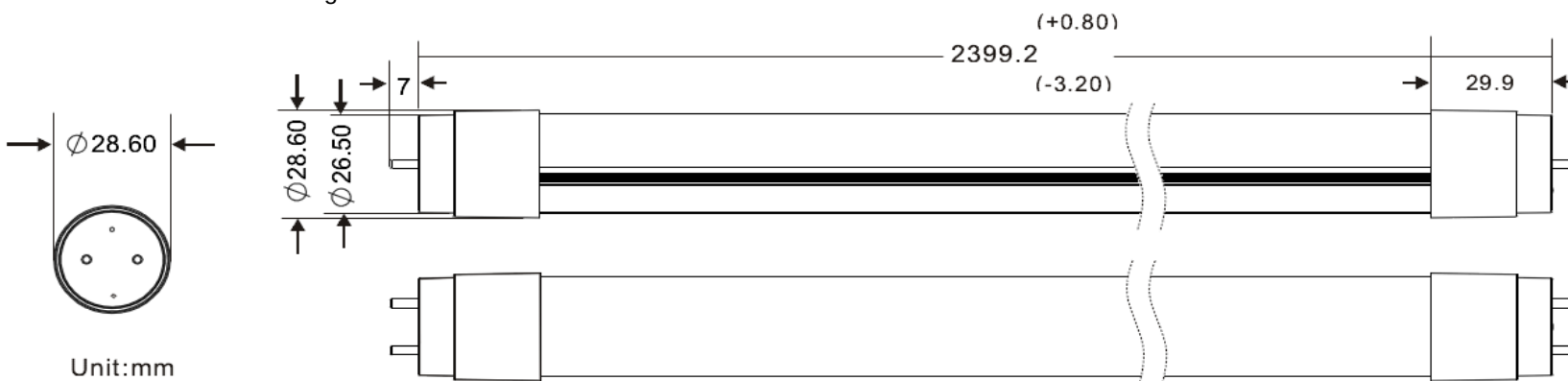
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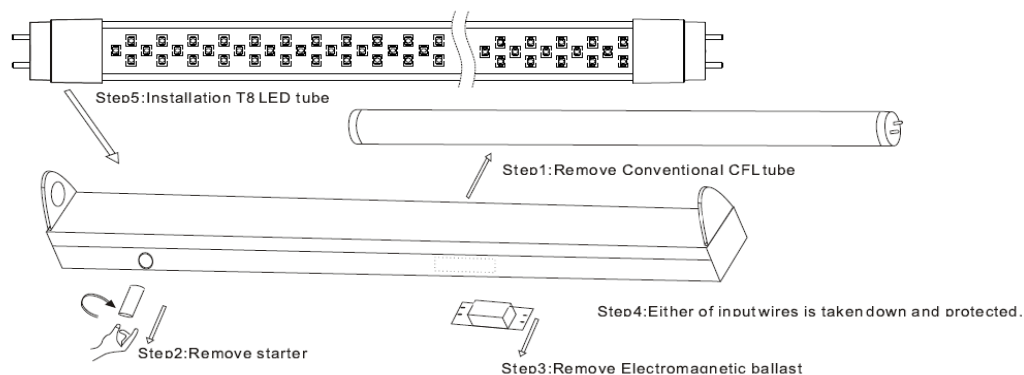
Length=1800mm



Length=2400mm



Connection

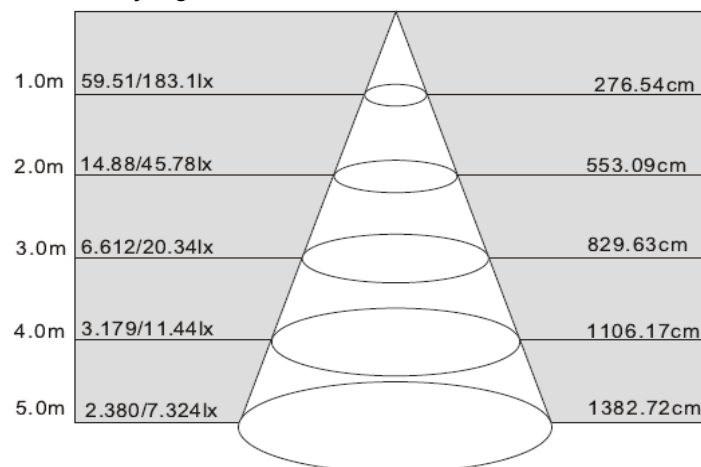


Step 1. Remove Conventional CFL tube. ---> Step 2. Remove starter. ---> Step 3. Remove Electromagnetic ballast. ---> Step 4. Either of input wires is taken down and protected. ---> Step 5. Installationn T8 LED tube.

Isolux curves

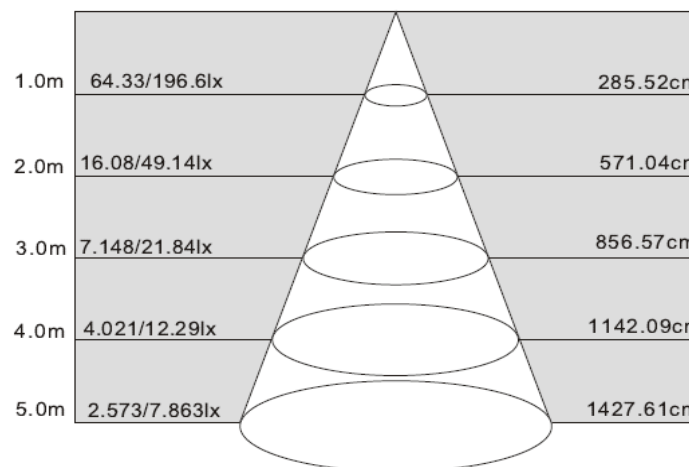
Length=600mm

White Daily Light



H Eava/Emax beam angle:108.25deegree dia

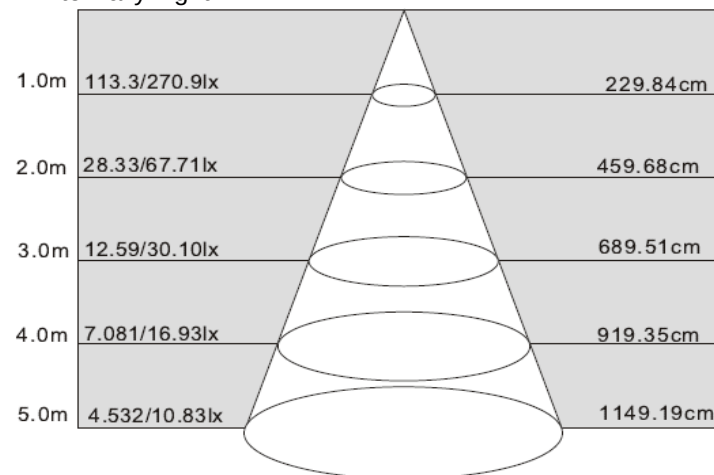
Warm White



H Eava/Emax beam angle:109.98deegree dia

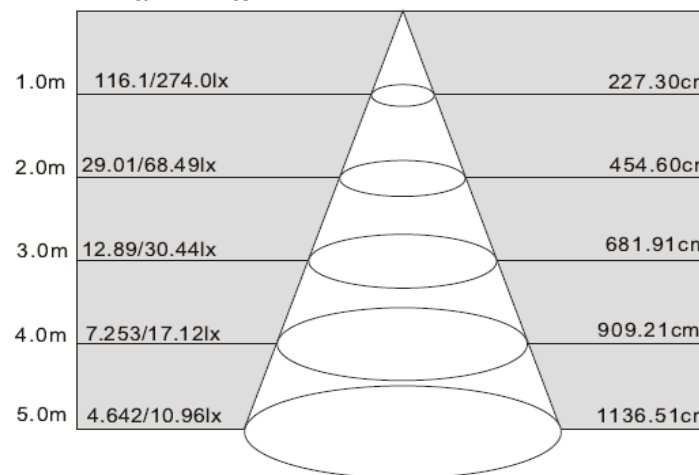
Length=900mm

White Daily Light



H Eava/Emax beam angle:97.94deegree dia

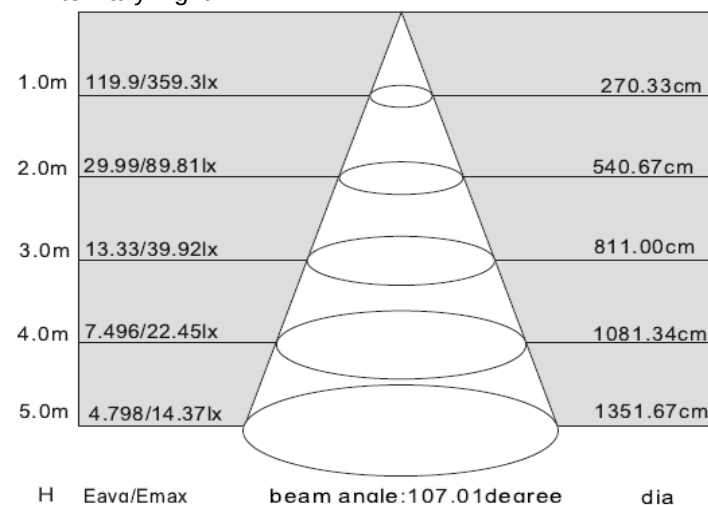
Warm White



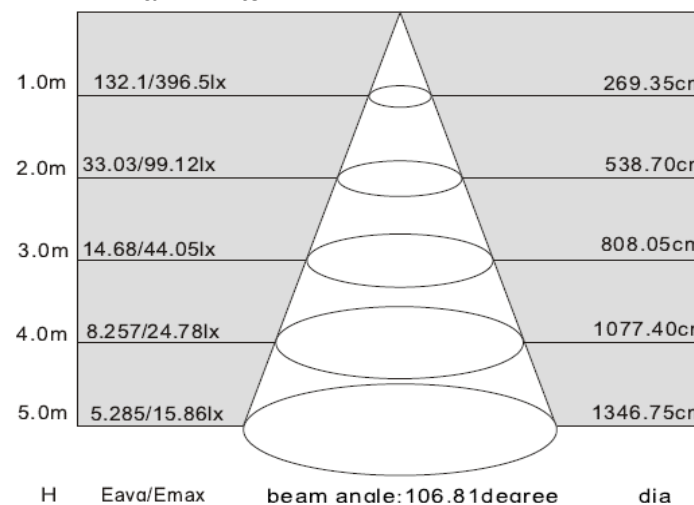
H Eava/Emax beam angle:97.31deegree dia

Length=1200mm

White Daily Light

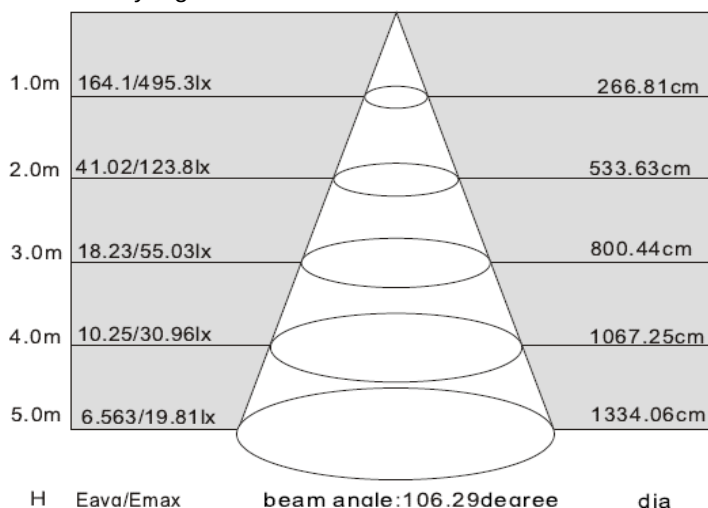


Warm White

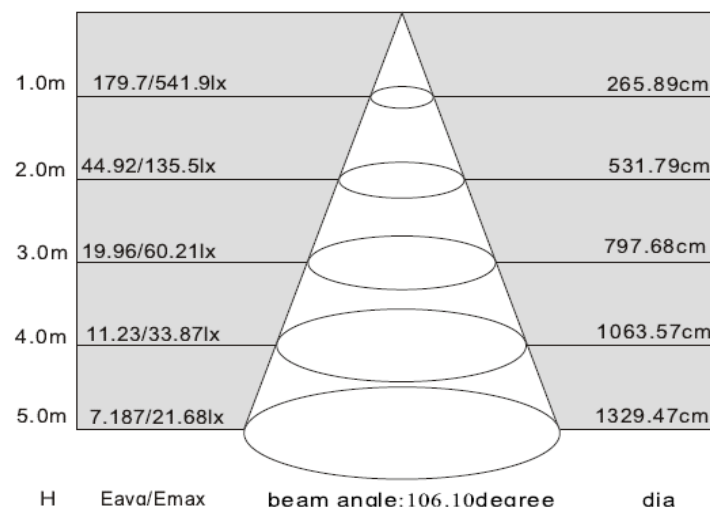


Length=1500mm

White Daily Light

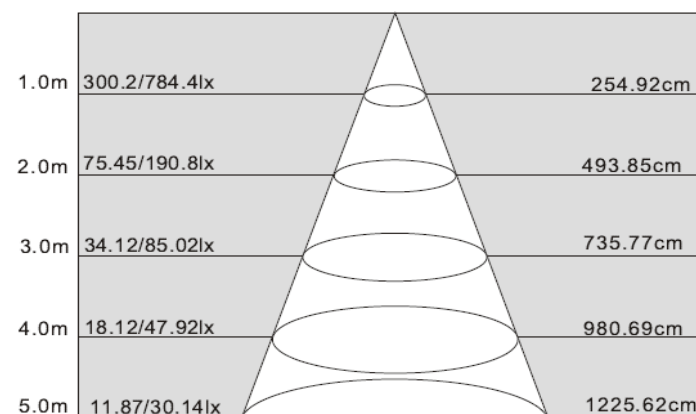


Warm White



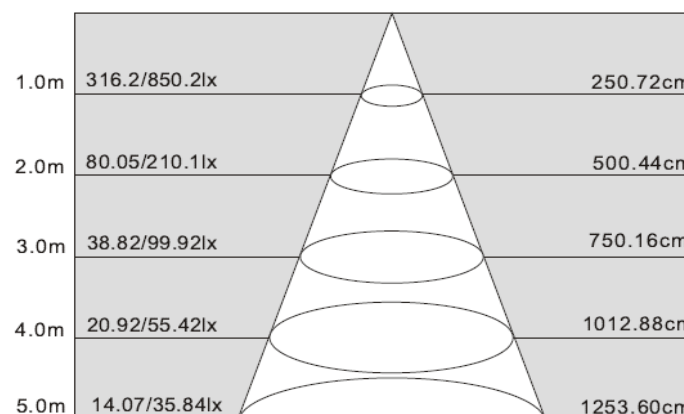
Length=1800mm

White Daily Light



H Eava/Emax beam angle: 105.53degree dia

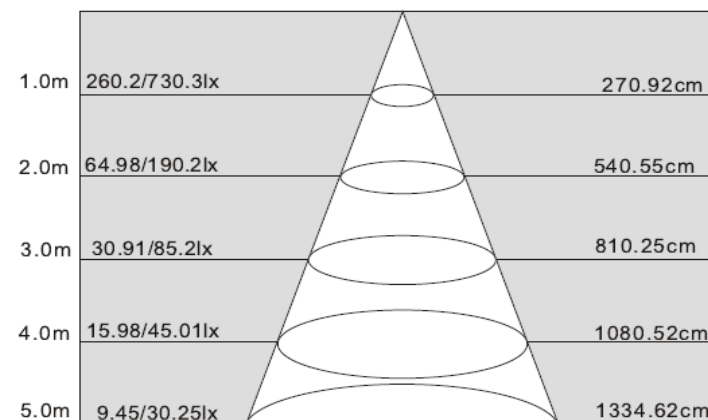
Warm White



H Eava/Emax beam angle: 106.84degree dia

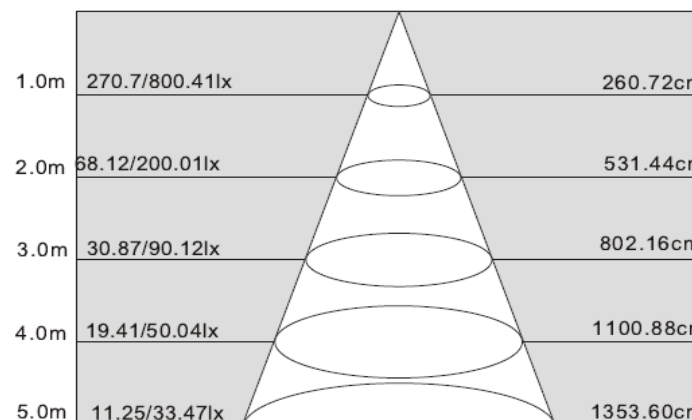
Length=2400mm

White Daily Light



H Eava/Emax beam angle: 108.53degree dia

Warm White

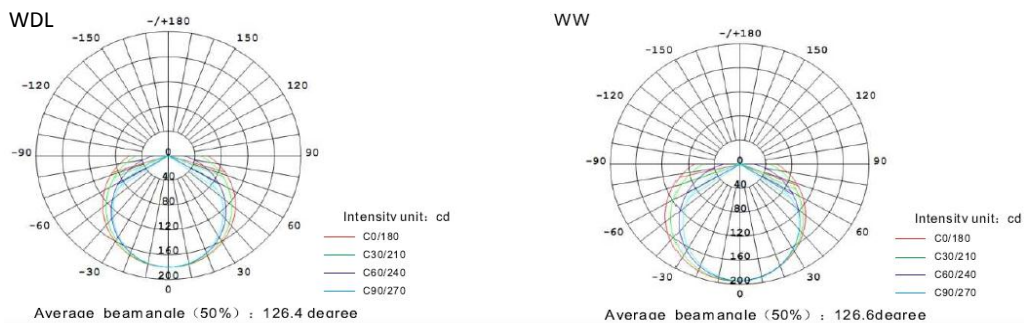


H Eava/Emax beam angle: 107.4degree dia

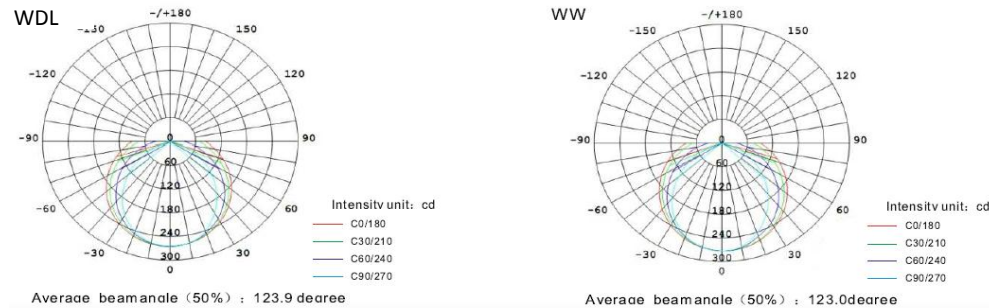
Note: Curve for the lamp under different light projection distance and the average intensity or regional.

light distribution curves

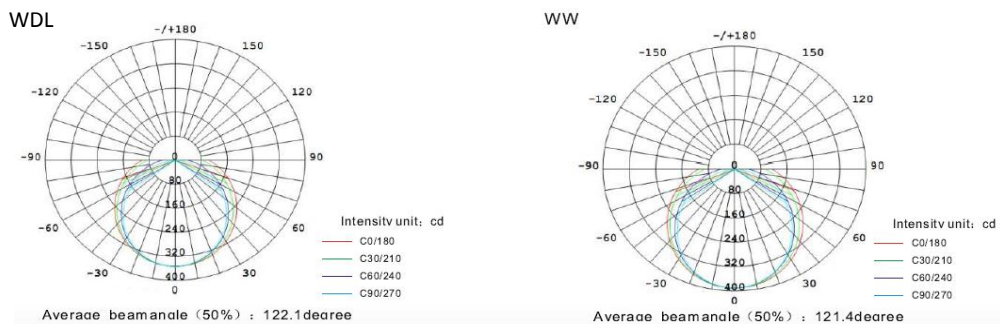
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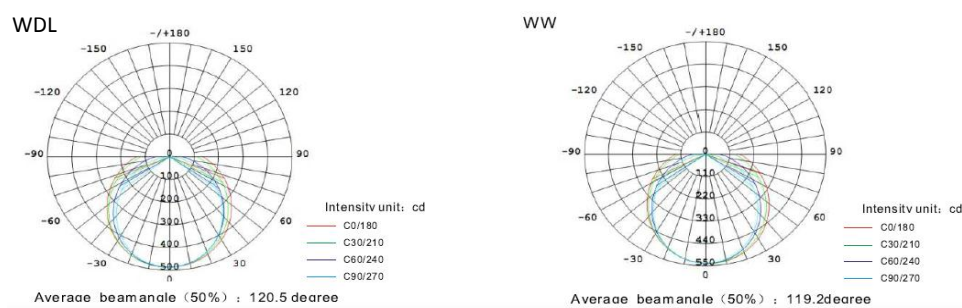
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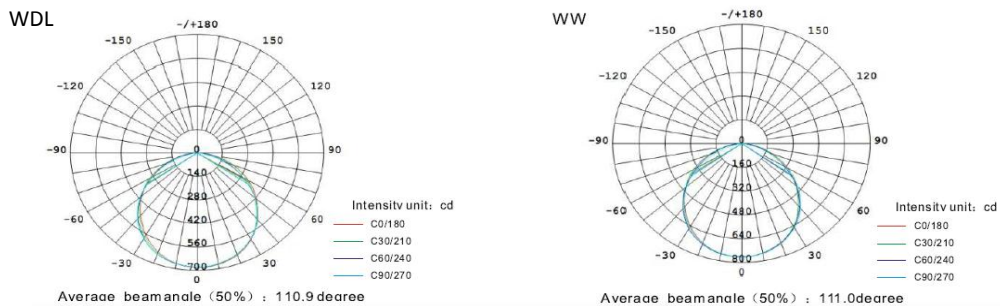
Length=1200mm



Length=1500mm



Length=1800mm



Length=2400mm

