

LED Internal T8 Tube

2014/01



SONARAY

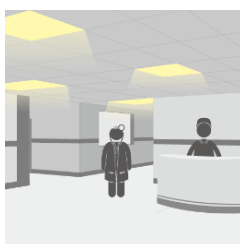
SONARAY LED Tube, it's not only energy saving, durable but also with excellent lighting effect. Natural White color. In additional, the color temperature for Sonaray LED tube is very consistent. Product harmonic is controlled within 10%, which will not affect the electronics work area.



Application areas



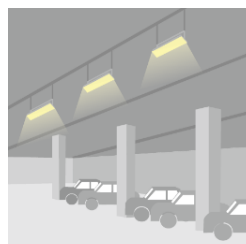
Offices, meeting rooms



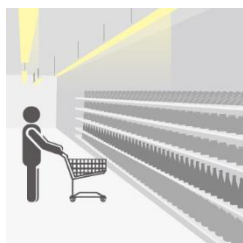
Hospital



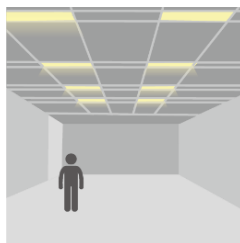
School classroom



Indoor parking



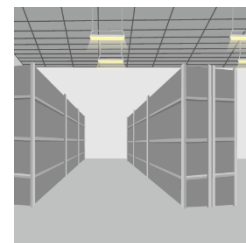
Supermarket



Walkways



Factory

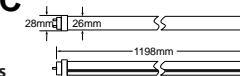


Warehouse

16W

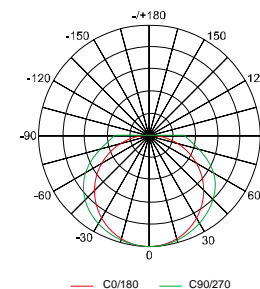


T8-2016-AHC



Common Specifications
 Material: Aluminum + PC
 Shade: Transparent / Frosted / cream
 Working temperature: -20 °C - +40 °C
 Weight: 400g

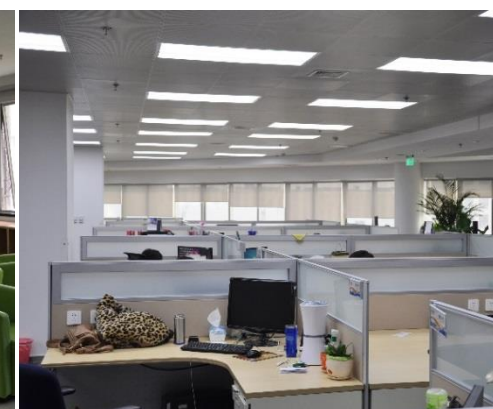
Luminous Flux	Power	Efficiency
1520lm	16W	95lm/w
CCT	Input Voltage	
6000K	AC 90V-264V,50/60Hz	
Light angle	Design Life	CRI (Ra)
110° X140°	40000小时	≥75



H(m)	E(lx)	D(cm)
1	381	290
2	95	580
3	42	870
4	24	1160



Success Stories
Athletics World
(Beijing) Network
Technology Co.,
Ltd.
 —Office



Design Example : Offices, meeting rooms

Standard illumination : 200lx

Vertical section

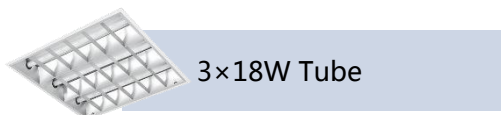
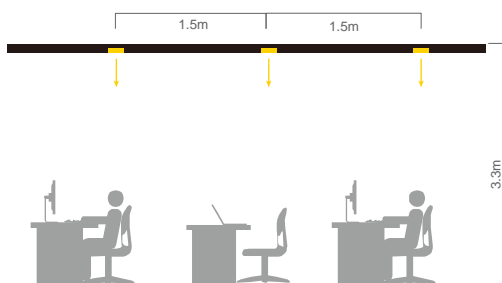
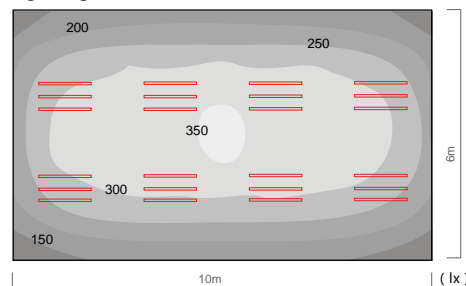


Figure ground illumination



Lamp	Medallions
Source	Tube
Luminous Flux (lm)	3780
Life (hr)	8000
Mounting height (m)	3.3
Average illuminance (lx)	246
Total power (W)	576

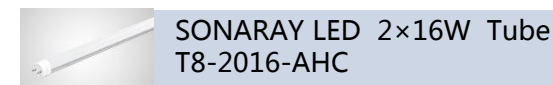
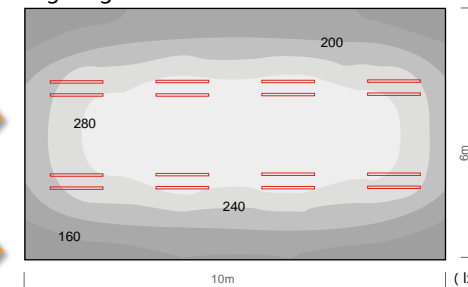


Figure ground illumination



Same Brightness

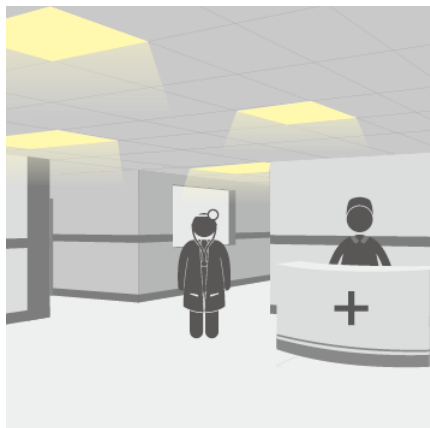
Saving about 55%

Same number of fixture

Lifetime about 5 times longer

Lamp	T8-2016-AHC
Source	LED
Luminous Flux (lm)	3040
Life (hr)	40000
Mounting height (m)	3.3
Average illuminance (lx)	236
Total power (W)	256

※ traditional lighting sources about the total power consumption of 70% -80% Power
 ※ Luminous Flux about light Luminous Flux50%



Success Stories

Guangzhou
Liwan District, City, the second
People's Hospital
— Outpatient building channel



Design Example : Hospital

Standard illumination : 100lx

Vertical section

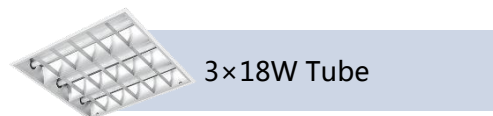
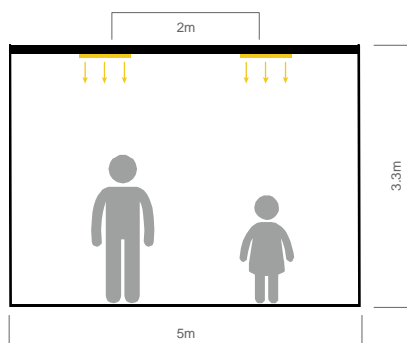


Figure ground illumination



Lamp	Medallions
Source	Tube
Luminous Flux (lm)	3780
Life (hr)	8000
Mounting height (m)	3.3
Average illuminance (lx)	96
Total power (W)	288

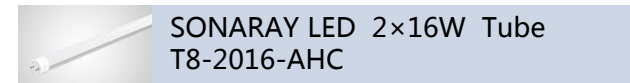


Figure ground illumination



Same Brightness

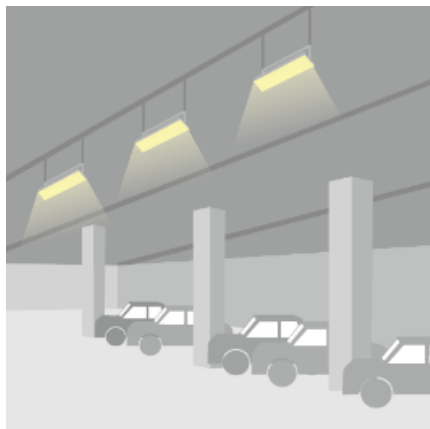
Saving about 55%

Same number of fixture

Lifetime about 5 times longer

Lamp	T8-2016-AHC
Source	LED
Luminous Flux (lm)	3040
Life (hr)	40000
Mounting height (m)	3.3
Average illuminance (lx)	102
Total power (W)	128

※ traditional lighting sources about the total power consumption of 70% -80% Power
 ※ Luminous Flux about light Luminous Flux50%



Success Stories

Hong Kong LeRoi Center
— Parking lot



Design Example : Indoor parking

Standard illumination : 75lx

Vertical section

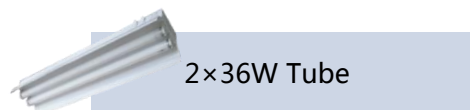
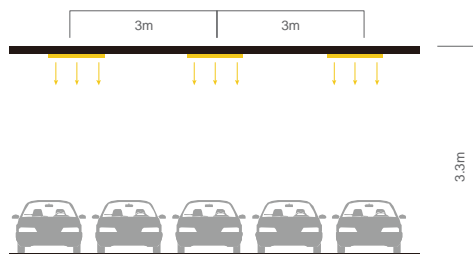
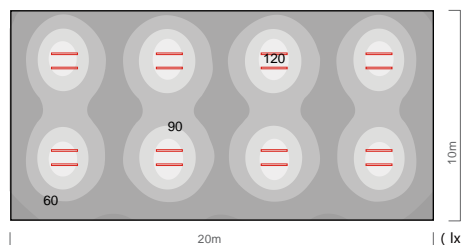


Figure ground illumination



Lamp	Medallions
Source	Tube
Luminous Flux (lm)	4860
Life (hr)	8000
Mounting height (m)	3.3
Average illuminance (lx)	81
Total power (W)	790

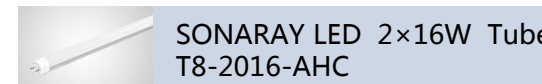
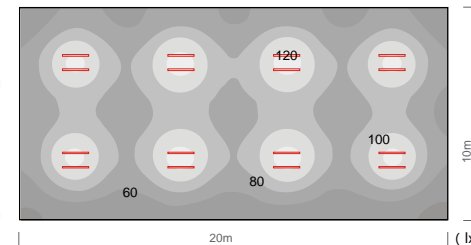


Figure ground illumination



Lamp	T8-2016-AHC
Source	LED
Luminous Flux (lm)	3040
Life (hr)	40000
Mounting height (m)	3.3
Average illuminance (lx)	76
Total power (W)	256

Same Brightness

Saving about 68%

Same number of fixture

Lifetime about 5 times longer

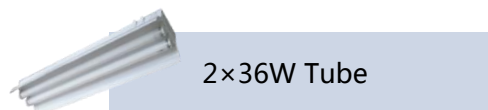
※ traditional lighting sources about the total power consumption of 70% -80% Power
 ※ Luminous Flux about light Luminous Flux50%



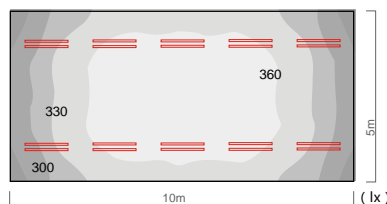
Design Example : Factory

Standard illumination : 300lx

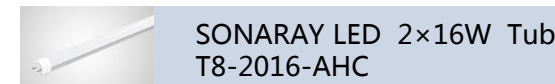
Vertical section



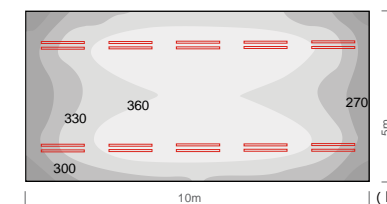
Illumination Figure



Lamp	Medallions
Source	Tube
Luminous Flux (lm)	4800
Life (hr)	8000
Mounting height (m)	3
Average illuminance (lx)	323
Total power (W)	900



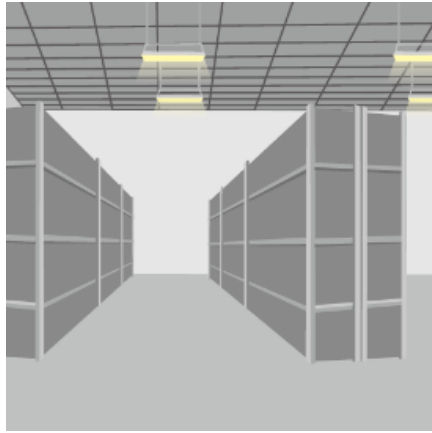
Illumination Figure



Lamp	T8-2016-AHC
Source	LED
Luminous Flux (lm)	3040
Life (hr)	40000
Mounting height (m)	3
Average illuminance (lx)	314
Total power (W)	320

- Same Brightness
- Saving about 64%
- Same number of fixture
- Lifetime about 5 times longer

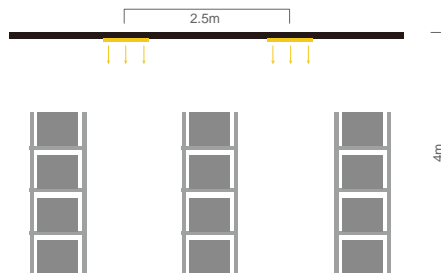
※ traditional lighting sources about the total power consumption of 70% -80% Power
 ※ Luminous Flux about light Luminous Flux50%



Design Example : Warehouse

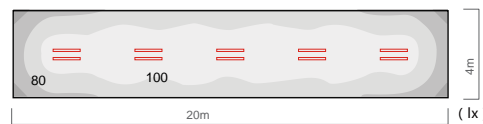
Standard illumination : 75lx

Vertical section



2x28W Tube

Figure ground illumination

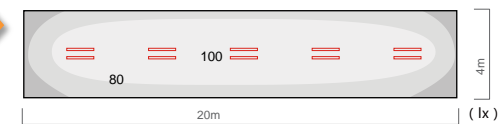


Lamp	Medallions
Source	Tube
Luminous Flux (lm)	3860
Life (hr)	8000
Mounting height (m)	4
Average illuminance (lx)	79
Total power (W)	350



SONARAY LED 2x16W Tube
T8-2016-AHC

Figure ground illumination



Lamp	T8-2016-AHC
Source	LED
Luminous Flux (lm)	3040
Life (hr)	40000
Mounting height (m)	4
Average illuminance (lx)	88
Total power (W)	160

Same Brightness

Saving about 55%

Same number of fixture

Lifetime about 5 times longer

※ traditional lighting sources about the total power consumption of 70% -80% Po
 ※ Luminous Flux about light Luminous Flux50%