

**TOSHIBA**

# PRODUCT CATALOG

## 2022

รายการหลอดไฟและผลิตภัณฑ์ส่องสว่าง

Lighting products and gears.  
by Thai Toshiba Lighting Co., Ltd.





Thai Toshiba Lighting Company Limited was established by Dr.Korn and Thanpuying Niramol Suriyasat and joint ventured with Toshiba Lighting & Technology Corporation (TLT) Japan On September 24,1973; as a manufacturer of lighting products under TOSHIBA brand.

## BUSINESS TYPE

Manufacturing & Sales of lighting product : Fluorescent Lamps, Fluorescent Circline Lamps, Compact Fluorescent Lamps, Special lamps, LED Lamps, Ballasts, Starters & lamp components

**ESTABLISHMENT** September 24, 1973

## Produce quality products with environmental consciousness.

Thai Toshiba Lighting has produce quality product for Thai people more than **48** years by strive on environmental consciousness such as following.

We changed the original coating system of tubes used Butyl Acetate, which is harm to the workers and the environment, to water.

Produce fluorescent lamps which last for 20,000 hrs long, first brand of Thailand. In order to reduce lamps deterioration and reduces the amount of toxic wastes in the environment.

Replaced liquid mercury with amalgam to control and reduce the amount of mercury in the process up to 55%, from 10mg to 4.5mg per lamp.

The manufacturing of Thai Toshiba Lighting are RoHs compliant with environmental awareness. All Toshiba lamps has been confirmed by various environmental organization such as these following certifications.



Carbon Reduction  
หลอดไฟประหยัดพลังงาน



First Thai's Green Label lamp.

ISO 14001 standard certified of environmental management.

The first brand to received the Carbon Reduction certified which given to the manufacturer who reduce energy consumption and reduce emissions of CO<sub>2</sub> in the atmosphere.

- 1973 Establishment**  
To establish Thai Toshiba Fluorescent Lamp Co. Ltd. to produce glass tube.
- 1982 Expansion**  
To establish Thai Toshiba Lighting Co., Ltd. and transfer the operation from Thai Toshiba Fluorescent Lamp Co., Ltd. to TTL
- 1987 1988 Outstanding Workplace (1987) / Outstanding Product (1988)**  
To receive the “Outstanding Workplace Award” / Received the “Outstanding Product Award” from MOI (Ministry of Industry)
- 1996 Good attitude toward people and the environment.**  
To replace coating chemical from butyl acetate base to purified water base, which does not affect to environment and worker.
- 1998 Leader in environmental conservation**  
First brand of lighting products to get approval and authorized for use of “Green Label” for 18W and 36W fluorescent lamps.
- 2003 Extend its use to reduce environmental waste**  
To develop fluorescent lamps that last for up to 20,000 hours of life, first brand in Thailand. To reduce the amount of hazardous waste to the environment.
- 2005 Only one to use amalgam instead of liquid mercury**  
First and only one brand which using an amalgam instead of liquid mercury to reduce the spread of mercury into the environment in the production process and reduce the factors that cause hazard waste from breakage fluorescent tube.
- 2007 Reduce the global warming**  
To collaborate the Electricity Generating Authority of Thailand (EGAT) distributed free of 400,000 compact fluorescent lamps to anyone who participating “Sufficient energy consume for the King” campaign and improve production process to comply with RoHS standard.
- 2009 OHSAS/TIS 18001 standard**  
To receive certificate of OHSAS/TIS 18001 standard for occupational health and safety management system.
- 2010 Reduce carbon emissions globally**  
Again with a leading environmental products of the first brand who received Carbon Reduction Label in Thailand.
- 2011 Green System**  
To receive certification from the Ministry of Industry as a green industry level 3 which has environmental management system.
- 2013 Labeling standard No. 5 for LED MR16**  
Toshiba LED MR16 (LDRA0930WU5USD, LDRA0940WU5USD) passed the testing of EGAT's standard label No.5.
- 2014 Reduce carbon emission globally (New project LCA process)**  
First brand of lighting products to get Carbon Footprints label from Thailand Greenhouse gas management organization (Public organization): TGO
- Corporate Social Responsibility**  
To receive CSR-DIW Award 2014 from the Department of Industry. This award is presented to those who follow the industry standard to promote implementation of social responsibility and sustainable development.
- 2015 Thailand Green Label Award**  
To receive a plaque of honor “Thailand Green Label Award” which continuously participate for over 10 years.
- Labeling standard No. 5 for LED A60**  
Toshiba LED A60 (LDA0016510-TH) passed testing of EGAT's standard label No.5.
- 2017 Green label standard for LED tube**  
First brand of LED tube product to get approval and authorize for use of “Green label” for 16W and 18W LED tube.
- ISO 9001:2015 Standard**  
To receive certificate of ISO 9001:2015 standard for Quality management system.
- 2018 Get more green Industry level**  
To receive certification from the Ministry of Industry. as a green industry level 4 which has an environmental management system.
- ISO 14001:2015 Standard**  
To receive certificate of ISO 14001: 2015 standard for environmental management system.
- 2019 ISO 45001:2018 Standard**  
To receive certificate of ISO 45001:2018 standard for occupational health and safety management system.
- Good Environmental Governance**  
To receive Good Environmental Governance Award 2019 from Department of Industrial Works Ministry of Industry.
- 2020 Thailand Green Label Award**  
To receive a plaque of honor “Thailand Green Label Award” which continuously participate Green Label continuously for over 15 years.





# TOSHIBA

## LED Lamps

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LED Bulb

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LED Light Sensor

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LED Bulb Dimmable

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LED T Lamp

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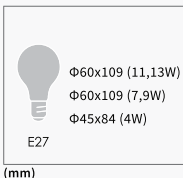




## LED Bulb A Series

Wide range of brightness with all 3 color temperatures options, TOSHIBA LED A series have been useful over the time, generation to generation. Long lasting, Robust and Eyes safety LED quality with 200 degree wide beam angle.

### DIMENSION



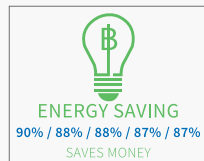
(mm)

### EQUIVALENT



Compare to Incandescent lamp

### ENERGY SAVING



LED A45  
(4W)

LED A60  
(7W,9W)

LED A60  
(11W,13W)

### IEC standard

IEC 62560 : Self-ballasted LED-lamps safety

IEC 62471 : Photobiological safety



Non-Dimmable



1955-2551  
TTL



Product code	Bulb Shape	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature (K)	Efficacy (lm/W)	Color Rendering Index (Ra)	Beam Angle	Lifespan (Hrs.)
RLDAC0427E7TH7	A45	220-240	4	350	2700K	88	80	200°	15,000h
RLDAC0440E7TH7	A45	220-240	4	380	4000K	95	80	200°	15,000h
RLDAC0465E7TH7	A45	220-240	4	380	6500K	95	80	200°	15,000h
RLDAC0727E7TH7	A60	220-240	7	600	2700K	86	80	200°	15,000h
RLDAC0740E7TH7	A60	220-240	7	650	4000K	93	80	200°	15,000h
RLDAC0765E7TH7	A60	220-240	7	650	6500K	93	80	200°	15,000h
RLDAC0927E7TH7	A60	220-240	9	810	2700K	90	80	200°	15,000h
RLDAC0940E7TH7	A60	220-240	9	850	4000K	94	80	200°	15,000h
RLDAC0965E7TH7	A60	220-240	9	850	6500K	94	80	200°	15,000h
RLDAC1127E7TH7	A60	220-240	11	1055	2700K	96	80	200°	15,000h
RLDAC1140E7TH7	A60	220-240	11	1150	4000K	105	80	200°	15,000h
RLDAC1165E7TH7	A60	220-240	11	1150	6500K	105	80	200°	15,000h
RLDAC1327E7TH7	A60	220-240	13	1350	2700K	104	80	200°	15,000h
RLDAC1340E7TH7	A60	220-240	13	1521	4000K	117	80	200°	15,000h
RLDAC1365E7TH7	A60	220-240	13	1521	6500K	117	80	200°	15,000h

Operation temperature : -20°C to 40°C

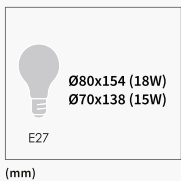


## LED A Bulb A Series

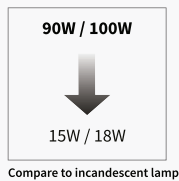
Wide range of brightness with all 3 color temperatures options, TOSHIBA LED A series have been useful over the time, generation to generation. Long lasting, Robust and Eyes safety LED quality with 200 degree wide beam angle.



### DIMENSION



### EQUIVALENT



### ENERGY SAVING



### IEC standard

IEC 62560 : Self-ballasted LED-lamps safety  
IEC 62471 : Photobiological safety



Product code	Bulb Shape	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature (K)	Efficacy (lm/W)	Color Rendering Index (Ra)	Beam Angle	Lifespan (Hrs.)
RLDAC1530E7TH7	A70	220-240	15	1215	3000K	81	80	200°	15,000h
RLDAC1540E7TH7	A70	220-240	15	1280	4000K	85	80	200°	15,000h
RLDAC1565E7TH7	A70	220-240	15	1350	6500K	90	80	200°	15,000h
RLDAC1830E7TH7	A80	220-240	18	1460	3000K	81	80	200°	15,000h
RLDAC1840E7TH7	A80	220-240	18	1540	4000K	86	80	200°	15,000h
RLDAC1865E7TH7	A80	220-240	18	1620	6500K	90	80	200°	15,000h

Operation temperature : -20°C to 40°C





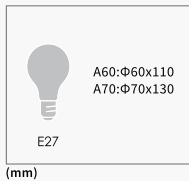
## LED Sunlight sensor

Toshiba LED Sunlight sensor comes with double intelligent light sensor automatically turn on when darkness and turn off when bright enough easy to replacement with classic lamps E27 socket

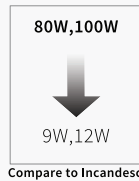
A60  
9 Watt

A70  
12 Watt

### DIMENSION



### EQUIVALENT



### ENERGY SAVING



### IEC standard

IEC 62560 : Self-ballasted LED-lamps safety  
IEC 62471 : Photobiological safety



Product code	Bulb Shape	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature (K)	Efficacy (lm/W)	Color Rendering Index (Ra)	Beam Angle	Lifespan (Hrs.)
RLDAC0927E7TH1LS	A60	220-240	9	1000	2700K	111	80	220°	25,000h
RLDAC0965E7TH1LS	A60	220-240	9	1080	6500K	120	80	220°	25,000h
RLDAC1265E7TH1LS	A70	220-240	12	1200	6500K	100	80	220°	25,000h

Operation temperature : -20°C to 45°C



## LED A Bulb Dual Pack

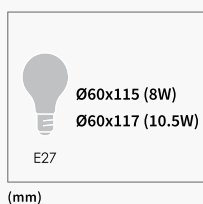
TOSHIBA LED A Series have been useful over the time, generation to generation. Long lasting, Robust and Eyes safety LED quality with 200 degree wide beam angle. Comes with super save pack.



LED 8W A60  
(Dual Pack)

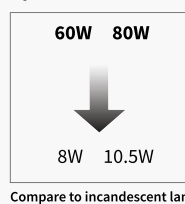
LED 10.5W A60  
(Dual Pack)

### DIMENSION



(mm)

### EQUIVALENT



Compare to incandescent lamp

### ENERGY SAVING



### IEC standard

IEC 62560 : Self-ballasted LED-lamps safety  
IEC 62471 : Photobiological safety



Non-Dimmable



NON 1955-2551  
TTL



Eye Safety  
IEC 62471

Product code	Bulb Shape	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature (K)	Efficacy (lm/W)	Color Rendering Index (Ra)	Beam Angle	Lifespan (Hrs.)
RLDAC0840E7TH7	A60	220-240	8	770	4000K	96	80	200°	15,000h
RLDAC0865E7TH7	A60	220-240	8	810	6500K	101	80	200°	15,000h
RLDAC1065E7TH7	A60	220-240	10.5	1080	6500K	102	80	200°	15,000h

Operation temperature : -20°C to 40°C





## LED A-Bulb Dimmable

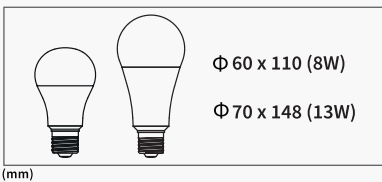
The new LED A-Bulb Dimmable comes with 3 color temperatures options. Supports dimming the light when used in conjunction with dimmer switch. Dimming is create the right light for any activity with 10-100% brightness level. Eyes safety LED quality with 200 degree wide beam angle.



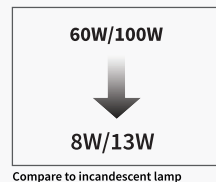
LED 8W A60

LED 13W A70

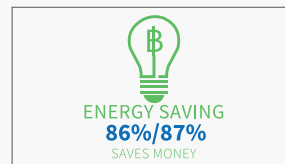
### DIMENSION



### EQUIVALENT



### ENERGY SAVING



### IEC standard

IEC 62560 : Self-ballasted LED-lamps safety

IEC 62471 : Photobiological safety



Product code	Shape	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature	Efficacy (lm/W)	Color Rendering Index (Ra)	Beam Angle	Lifespan (Hrs.)
RLDAC0830E7TH1DM	A60	220-240	8	860	3000K	107	80	200°	15,000h
RLDAC0840E7TH1DM	A60	220-240	8	860	4000K	107	80	200°	15,000h
RLDAC0865E7TH1DM	A60	220-240	8	860	6500K	107	80	200°	15,000h
RLDAC1330E7TH1DM	A70	220-240	13	1300	3000K	100	80	200°	15,000h
RLDAC1340E7TH1DM	A70	220-240	13	1300	4000K	100	80	200°	15,000h
RLDAC1365E7TH1DM	A70	220-240	13	1300	6500K	100	80	200°	15,000h

Operation temperature : -20°C to 40°C

### \*Recommended dimmer compatibility list

Brand	Model
Philips	LeafStyle 2M
Panasonic	WEG57912
Schneider Electric	3031H360M
Clipsal	3031H500M/K

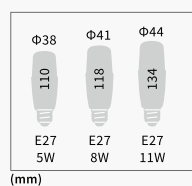


## LED T Stick Lamp

Toshiba LED T Stick lamp design with extra wide beam angle 220°/240°  
Replace to compact fluorescent lamp with both vertical & horizontal  
E27 fixture. Compact T-shape design to use in condominium,  
hotel and office.

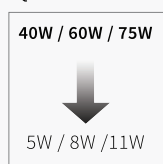


### DIMENSION



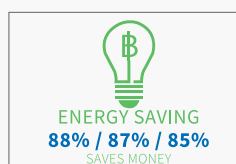
(mm)

### EQUIVALENT



Compare to Incandescent lamp

### ENERGY SAVING



### IEC standard

IEC 62560 : Self-ballasted LED-lamps safety  
IEC 62471 : Photobiological safety



Non-Dimmable



1955-2551  
TTL

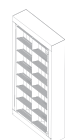


Eye Safety  
IEC 62471

Product code	Bulb Shape	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature (K)	Efficacy (lm/W)	Color Rendering Index (Ra)	Beam Angle	Lifespan (Hrs.)
RLDTC0527E7TH1	T38	220-240	5	485	2700K	97	80	240°	15,000h
RLDTC0565E7TH1	T38	220-240	5	500	6500K	100	80	240°	15,000h
RLDTC0827E7TH1	T41	220-240	8	800	2700K	100	80	220°	15,000h
RLDTC0840E7TH1	T41	220-240	8	850	4000K	106	80	220°	15,000h
RLDTC0865E7TH1	T41	220-240	8	850	6500K	106	80	220°	15,000h
RLDTC1127E7TH1	T44	220-240	11	1100	2700K	100	80	220°	15,000h
RLDTC1140E7TH1	T44	220-240	11	1150	4000K	105	80	220°	15,000h
RLDTC1165E7TH1	T44	220-240	11	1150	6500K	105	80	220°	15,000h

Operation temperature : -20°C to 40°C





## LED T Stick Lamp Hi-Power

Toshiba LED T Stick lamp High Power design With extra wide beam angle 220°. Replace to ordinary compact fluorescent E27. High power LED can be more brightness when using with Low bay fixture E27 in Central hall, Exhibition area or Night market. The cover design to help reducing glare to your eyes.

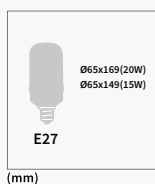


LED T65  
(15W)



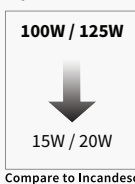
LED T65  
(20W)

### DIMENSION



(mm)

### EQUIVALENT



Compare to Incandescent lamp

### ENERGY SAVING



### IEC standard

IEC 62560 : Self-ballasted LED-lamps safety  
IEC 62471 : Photobiological safety



Non-Dimmable



1955-2551  
TTC



Product code	Bulb Shape	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature (K)	Efficacy (lm/W)	Color Rendering Index (Ra)	Beam Angle	Lifespan (Hrs.)
RLDTC1527E7TH1	T65	220-240	15	1600	2700K	107	80	220°	15,000h
RLDTC1565E7TH1	T65	220-240	15	1700	6500K	113	80	220°	15,000h
RLDTC2027E7TH1	T65	220-240	20	2000	2700K	100	80	220°	15,000h
RLDTC2065E7TH1	T65	220-240	20	2100	6500K	105	80	220°	15,000h

Operation temperature : -20°C to 40°C

# TOSHIBA

## LED Reflector Lamps

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LED GU10

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LED MR16

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LED PAR LAMP

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## LED GU10

Toshiba LED GU10 is outstanding reflector lamp design with wide beam angle , 24-100 degree.Compatible with EU standard GU10 fixture.It is the perfect product to replace any halogen lamp and save up to 86% energy consumption.The range of difference colour temperatures will adapt to any installation requirement.

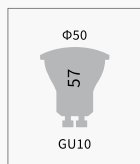


Beam Angle  
24°,36°



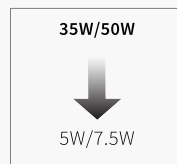
Beam Angle  
100°

### DIMENSION



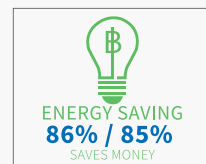
(mm)

### EQUIVALENT



Compare to Halogen lamp

### ENERGY SAVING



### IEC standard

IEC 62560 : Self-ballasted LED-lamps safety

IEC 62471 : Photobiological safety



Non-Dimmable



1000 1955-2551  
TTL



Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	CBCP (cd)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Beam Angle	Lifespan (Hrs.)
RLDMC05273U1TH1	220-240	5	380	900	76	2700K	80	24°	15,000h
RLDMC05274U1TH1	220-240	5	380	600	76	2700K	80	36°	15,000h
RLDMC05654U1TH1	220-240	5	400	650	80	6500K	80	36°	15,000h
RLDMC0527AU1TH1	220-240	5	380	130	76	2700K	80	100°	15,000h
RLDMC0565AU1TH1	220-240	5	400	140	80	6500K	80	100°	15,000h
RLDMC08273U1TH1	220-240	7.5	600	1600	80	2700K	80	24°	15,000h
RLDMC08274U1TH1	220-240	7.5	600	900	80	2700K	80	36°	15,000h
RLDMC08654U1TH1	220-240	7.5	630	1000	84	6500K	80	36°	15,000h
RLDMC0827AU1TH1	220-240	7.5	600	190	80	2700K	80	100°	15,000h
RLDMC0865AU1TH1	220-240	7.5	630	200	84	6500K	80	100°	15,000h

Operation temperature : -20°C to 40°C



## LED MR16 GU5.3

Toshiba LED MR16 is design to replace the low voltage halogen lamps.

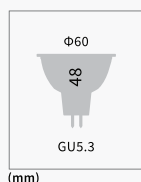
Design for wide range of beam angle : 24, 36 and 100 degree.

It's suitable for both accent and general lighting.

Beam Angle  
24°, 36°

Beam Angle  
100°

### DIMENSION



(mm)

### EQUIVALENT

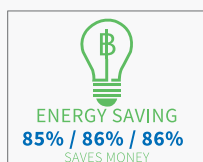
20W/35W/50W



3W/5W/7W

Compare to Halogen lamp

### ENERGY SAVING



Non-Dimmable



IEC 1955-2551  
TTLC



### IEC standard

IEC 62471 : Photobiological safety

Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	CBCP (cd)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Beam Angle	Lifespan (Hrs.)
RLDMA03273U5TH1	12	3	230	600	77	2700K	80	24°	25,000h
RLDMA03653U5TH1	12	3	240	620	80	6500K	80	24°	25,000h
RLDMA03274U5TH1	12	3	230	390	77	2700K	80	36°	25,000h
RLDMA03654U5TH1	12	3	240	400	80	6500K	80	36°	25,000h
RLDMA0327AU5TH1	12	3	230	80	77	2700K	80	100°	25,000h
RLDMA0365AU5TH1	12	3	240	90	80	6500K	80	100°	25,000h
RLDMA05273U5TH1	12	5	350	900	70	2700K	80	24°	25,000h
RLDMA05653U5TH1	12	5	360	950	72	6500K	80	24°	25,000h
RLDMA05274U5TH1	12	5	350	600	70	2700K	80	36°	25,000h
RLDMA05654U5TH1	12	5	360	620	72	6500K	80	36°	25,000h
RLDMA0527AU5TH1	12	5	350	130	70	2700K	80	100°	25,000h
RLDMA0565AU5TH1	12	5	360	135	72	6500K	80	100°	25,000h
RLDMA07273U5TH1	12	7	500	1300	71	2700K	80	24°	25,000h
RLDMA07653U5TH1	12	7	520	1350	74	6500K	80	24°	25,000h
RLDMA07274U5TH1	12	7	500	800	71	2700K	80	36°	25,000h
RLDMA07654U5TH1	12	7	520	850	74	6500K	80	36°	25,000h

Operation temperature : -20°C to 40°C





## LED PAR LAMP

Remarkable and unique area by LED PAR lamp for indoor using such as Building, Restaurant, Department store and Gallery or use outdoor with waterproof socket fixture for Garden, Tree decoration and outdoor landscape. Comes with various of beam angle in 25 and 35 degree.

PAR20  
IP 20

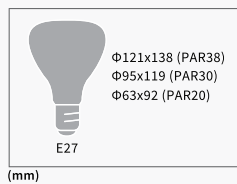
PAR30  
IP 65

PAR38  
IP 65

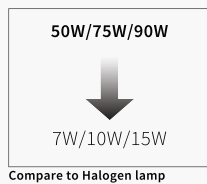
### IEC standard

IEC 62560 : Self-ballasted LED-lamps safety  
IEC 62471 : Photobiological safety

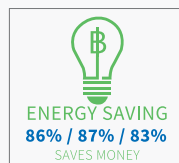
#### DIMENSION



#### EQUIVALENT



#### ENERGY SAVING



Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	CBCP (cd)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Beam Angle	IP level	Lifespan (Hrs.)
RLDPC0727WE7TH1	220-240	7	500	1,000	71	2700K	80	25°	20	25,000h
RLDPC0765WE7TH1	220-240	7	550	1,100	78	6500K	80	25°	20	25,000h
RLDPC1027WE7TH1	220-240	10	750	1,500	75	2700K	80	25°	65	25,000h
RLDPC1040WE7TH1	220-240	10	800	1,600	80	4000K	80	25°	65	25,000h
RLDPC1065WE7TH1	220-240	10	800	1,600	80	6500K	80	25°	65	25,000h
RLDPC1527WE7TH1	220-240	15	1,100	1,900	73	2700K	80	35°	65	25,000h
RLDPC1565WE7TH1	220-240	15	1,200	2,000	80	6500K	80	35°	65	25,000h

Operation temperature : -20°C to 40°C

# TOSHIBA

## LED Tube

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LED Tube T8

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LED Glass Tube T5

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## LED TUBE T8

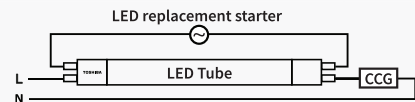
Toshiba LED TUBE lets you perfectly light up wide range of the applications such as office, factory and public space. It will ensure bright light and a low energy consumption as well as long life. It is now available from 1,100 to 2,100 lm. in 2ft and 4ft

### IEC standard

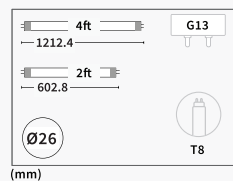
IEC 62776 : Double-capped LED lamps designed to retrofit linear fluorescent lamps. – Safety specifications.  
IEC 62471 : Photobiological safety



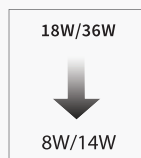
LED replacement starter



### DIMENSION

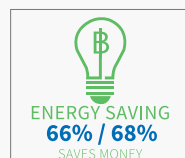


### EQUIVALENT

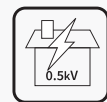


Compare to conventional fixture with fluorescent lamp

### ENERGY SAVING



NON 1955-2551 TTL



Surge Protection

Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Power Factor	THDi	Beam Angle	Lifespan (Hrs.)
RLDL0282C0840G1TH1	220-240	8	1,100	137	4000K	80	≥0.90	<15%	160°	50,000h
RLDL0282C0865G1TH1	220-240	8	1,100	137	6500K	80	≥0.90	<15%	160°	50,000h
RLDL0284C1440G1TH1	220-240	14	2,100	150	4000K	80	≥0.90	<15%	160°	50,000h
RLDL0284C1465G1TH1	220-240	14	2,100	150	6500K	80	≥0.90	<15%	160°	50,000h

Operation temperature : -20°C to 45°C



## LED TUBE T8

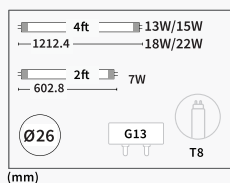
Toshiba LED Tube lets you perfectly light up wide range of the applications such as office, factory and public space. It will ensure bright light and a low energy consumption as well as long life. It is now available from 1,120 to 3,750 lm in 2ft and 4ft.

### IEC standard

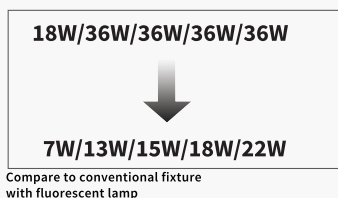
IEC 62776 : Double-capped LED lamps designed to retrofit linear fluorescent lamps. – Safety specifications.

IEC 62471 : Photobiological safety

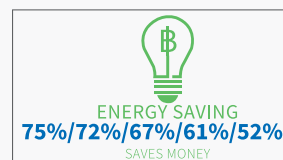
### DIMENSION



### EQUIVALENT



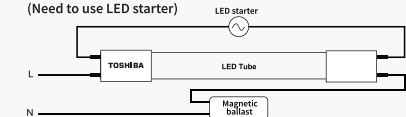
### ENERGY SAVING



### ■ Wiring diagram for new installation (No need to use LED starter)



### ■ Wiring diagram for instead of installation fluorescent Lamp (Need to use LED starter)



Non-Dimmable



MDI 1955-2551



Eye Safety IEC 62471



1kV

Surge Protection

Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature	Efficacy (lm/W)	Color Rendering Index (Ra)	Power Factor	THDi	Beam Angle	Lifespan (Hrs.)
RLDL82C0730G1TH7	220-240	7	1120	3000K	160	80	≥0.95	<10%	160°	60,000
RLDL82C0740G1TH7	220-240	7	1200	4000K	171	80	≥0.95	<10%	160°	60,000
RLDL82C0765G1TH7	220-240	7	1200	6500K	171	80	≥0.95	<10%	160°	60,000
RLDL84C1330G1TH7	220-240	13	2080	3000K	160	80	≥0.95	<10%	160°	60,000
RLDL84C1340G1TH7	220-240	13	2200	4000K	169	80	≥0.95	<10%	160°	60,000
RLDL84C1365G1TH7	220-240	13	2200	6500K	169	80	≥0.95	<10%	160°	60,000
RLDL84C1530G1TH7	220-240	15	2400	3000K	160	80	≥0.95	<10%	160°	60,000
RLDL84C1540G1TH7	220-240	15	2550	4000K	170	80	≥0.95	<10%	160°	60,000
RLDL84C1565G1TH7	220-240	15	2550	6500K	170	80	≥0.95	<10%	160°	60,000
RLDL84C1830G1TH7	220-240	18	2880	3000K	160	80	≥0.95	<10%	160°	60,000
RLDL84C1840G1TH7	220-240	18	3100	4000K	172	80	≥0.95	<10%	160°	60,000
RLDL84C1865G1TH7	220-240	18	3100	6500K	172	80	≥0.95	<10%	160°	60,000
RLDL84C2230G1TH7	220-240	22	3600	3000K	163	80	≥0.95	<10%	160°	50,000
RLDL84C2240G1TH7	220-240	22	3750	4000K	170	80	≥0.95	<10%	160°	50,000
RLDL84C2265G1TH7	220-240	22	3750	6500K	170	80	≥0.95	<10%	160°	50,000

Operation temperature : -20°C to 45°C





## LED TUBE T5

Toshiba LED Tube T5 lets you perfectly light up wide range of the applications such as office, factory and public space. It will ensure bright light and a low energy consumption as well as long life. It is now available from 1,040 to 2,100 lm.

### IEC standard

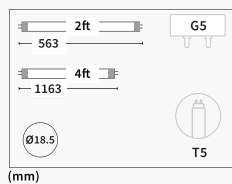
IEC 62776 : Double-capped LED lamps designed to retrofit linear fluorescent lamps. – Safety specifications.

IEC 62471 : Photobiological safety

■ Wiring diagram after retrofit / new installation.



### DIMENSION



### EQUIVALENT

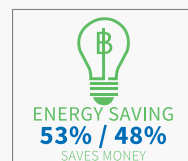
14W/28W



8W/16W

Compare to conventional fixture with fluorescent lamp

### ENERGY SAVING



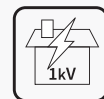
Non-Dimmable



NON 1955-2551  
TTL



Eye Safety  
IEC 62471



Surge Protection

Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Power Factor	THDi	Beam Angle	Lifespan (Hrs.)
RLDL52C0840G5TH1	220-240	8	1,040	130	4000K	80	≥0.9	<15%	150°	30,000h
RLDL52C0865G5TH1	220-240	8	1,040	130	6500K	80	≥0.9	<15%	150°	30,000h
RLDL52C1640G5TH1	220-240	16	2,100	131	4000K	80	≥0.9	<15%	150°	30,000h
RLDL52C1665G5TH1	220-240	16	2,100	131	6500K	80	≥0.9	<15%	150°	30,000h

Operation temperature : -20°C to 45°C



# TOSHIBA

## LED Circular Lamp

LED Circular Lamp





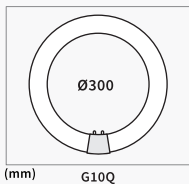
## LED Circular Lamp

Take away the original starter to replace the traditional fluorescent circular lamp directly, and don't need to take away the original magnetic ballast. Furthermore, can be connected to the main supply which same FCL socket(G10Q).

### IEC standard

IEC 62471 : Photobiological safety

#### DIMENSION



#### EQUIVALENT



Compare to conventional fixture with fluorescent lamp

#### ENERGY SAVING



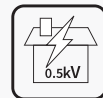
Non-Dimmable



1955-2551  
TTLC



Eye Safety  
IEC 62471



Surge Protection

Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Power Factor	Beam Angle	Lifespan (Hrs.)
RLDC9XC2065AQTH1	220-240	20	2,200	110	6500K	80	≥0.5	150°	30,000h

Operation temperature : -20°C to 40°C



# TOSHIBA

## LED Fixture

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LED Downlight Hi Power

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LED Downlight

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LED Panel light

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LED Module fixture

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LED Smart Ceiling lamp

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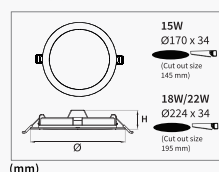




## LED Downlight High Wattage

Toshiba LED Downlight High Wattage provides uniform light with a beam angle 110 degree. It can be easily installed to illuminate area or ceiling with substantial energy savings.

### DIMENSION



### EQUIVALENT

125W/150W/180W



15W/18W/22W

Equivalent compare with incandescent lamp

### ENERGY SAVING



### IEC standard

IEC 60598-2-2 : Particular requirements - Recessed luminaires.

IEC 62471 : Photobiological safety



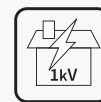
Non-Dimmable



TTLC 1955-2551



Eye Safety  
IEC 62471



Surge Protection

Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature	Efficacy (lm/W)	Color Rendering Index (Ra)	Power Factor	THDi	Beam Angle	Lifespan (Hrs.)
RLDDR01540CTH3	220-240	15	1800	4000K	120	80	≥0.90	<15%	110°	30,000
RLDDR01565CTH3	220-240	15	1800	6500K	120	80	≥0.90	<15%	110°	30,000
RLDDR01840CTH3	220-240	18	2160	4000K	120	80	≥0.90	<15%	110°	30,000
RLDDR01865CTH3	220-240	18	2160	6500K	120	80	≥0.90	<15%	110°	30,000
RLDDR02240CTH3	220-240	22	2640	4000K	120	80	≥0.90	<15%	110°	30,000
RLDDR02265CTH3	220-240	22	2640	6500K	120	80	≥0.90	<15%	110°	30,000

Operation temperature : -20°C to 45°C



## LED Downlight Circle

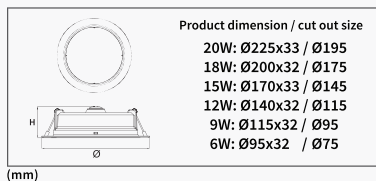
Toshiba LED Downlight elegant with compact design, Fully brightness 100% front lighting performance, good quality material, advantage cooling system, more safety with driver connected with wire, friendly eye care and efficiency brightness for you.

### IEC standard

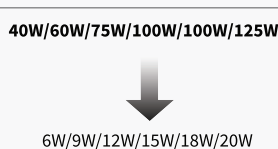
IEC 60598-2-2 : Particular requirements - Recessed luminaires.

IEC 62471 : Photobiological safety

#### DIMENSION



#### EQUIVALENT



Compare to Incandescent lamp with conventional fixture

#### ENERGY SAVING



Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Power Factor	Beam Angle	Lifespan (Hrs.)
RLDDRC00630CTH2	220-240	6	420	70	3000K	80	≥0.5	120°	25,000h
RLDDRC00640CTH2	220-240	6	450	75	4000K	80	≥0.5	120°	25,000h
RLDDRC00665CTH2	220-240	6	450	75	6500K	80	≥0.5	120°	25,000h
RLDDRC00930CTH2	220-240	9	700	78	3000K	80	≥0.5	120°	25,000h
RLDDRC00940CTH2	220-240	9	750	83	4000K	80	≥0.5	120°	25,000h
RLDDRC00965CTH2	220-240	9	750	83	6500K	80	≥0.5	120°	25,000h
RLDDRC01230CTH2	220-240	12	1000	83	3000K	80	≥0.5	120°	25,000h
RLDDRC01240CTH2	220-240	12	1080	90	4000K	80	≥0.5	120°	25,000h
RLDDRC01265CTH2	220-240	12	1080	90	6500K	80	≥0.5	120°	25,000h
RLDDRC01530CTH2	220-240	15	1400	93	3000K	80	≥0.5	120°	25,000h
RLDDRC01540CTH2	220-240	15	1500	100	4000K	80	≥0.5	120°	25,000h
RLDDRC01565CTH2	220-240	15	1500	100	6500K	80	≥0.5	120°	25,000h
RLDDRC01830CTH2	220-240	18	1680	93	3000K	80	≥0.5	120°	25,000h
RLDDRC01840CTH2	220-240	18	1800	100	4000K	80	≥0.5	120°	25,000h
RLDDRC01865CTH2	220-240	18	1800	100	6500K	80	≥0.5	120°	25,000h
RLDDRC02030CTH2	220-240	20	1950	98	3000K	80	≥0.5	120°	25,000h
RLDDRC02040CTH2	220-240	20	2100	105	4000K	80	≥0.5	120°	25,000h
RLDDRC02065CTH2	220-240	20	2100	105	6500K	80	≥0.5	120°	25,000h

Operation temperature : -20°C to 40°C





## LED Downlight Square

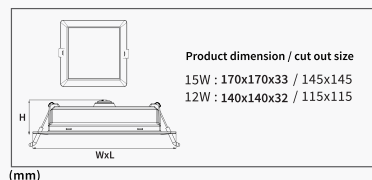
Toshiba LED Downlight elegant with compact design, Fully brightness 100% front lighting performance, good quality material, advantage cooling system, more safety with driver connected with wire, friendly eye care and efficiency brightness for you.

### IEC standard

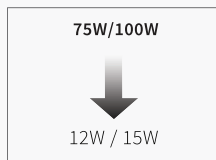
IEC 60598-2-2 : Particular requirements - Recessed luminaires.

IEC 62471 : Photobiological safety

### DIMENSION



### EQUIVALENT



Compare to Incandescent lamp with conventional fixture

### ENERGY SAVING



Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Power Factor	Beam Angle	Lifespan (Hrs.)
RLDDSC01230CTH2	220-240	12	1000	83	3000K	80	≥0.5	120°	25,000h
RLDDSC01240CTH2	220-240	12	1080	90	4000K	80	≥0.5	120°	25,000h
RLDDSC01265CTH2	220-240	12	1080	90	6500K	80	≥0.5	120°	25,000h
RLDDSC01530CTH2	220-240	15	1400	93	3000K	80	≥0.5	120°	25,000h
RLDDSC01540CTH2	220-240	15	1500	100	4000K	80	≥0.5	120°	25,000h
RLDDSC01565CTH2	220-240	15	1500	100	6500K	80	≥0.5	120°	25,000h

Operation temperature : -20°C to 40°C





## LED Panel Light

Toshiba panel light is the perfect choice, the sleek design make this panel light attractive for your ceiling. They are thin together with its advantage of unique internal driver as well as mounting bracket make this panel easy to installed.

### IEC standard

IEC 60598-2-2 : Particular requirements - Recessed luminaires.

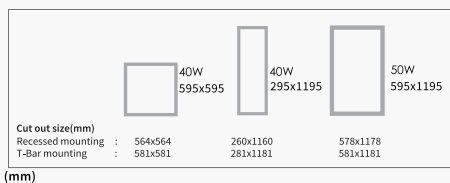
IEC 62471 : Photobiological safety

1195x595 mm.

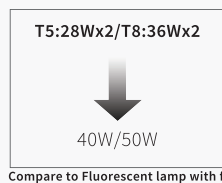
595x595 mm.

1195x295 mm.

### DIMENSION



### EQUIVALENT



### ENERGY SAVING



Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Power Factor	Beam Angle	Dimension (LxWxH)	Lifespan (Hrs.)
RLDCSC04040BTH1	220-240	40	3,800	95	4000K	80	≥0.9	110°	595x595	30,000h
RLDCSC04065BTH1	220-240	40	4,000	100	6500K	80	≥0.9	110°	595x595	30,000h
RLDCEC04040BTH1	220-240	40	3,800	95	4000K	80	≥0.9	110°	1195x295	30,000h
RLDCEC04065BTH1	220-240	40	4,000	100	6500K	80	≥0.9	110°	1195x295	30,000h
RLDCEC05040BTH1	220-240	50	6,000	120	4000K	80	≥0.9	110°	1195x595	30,000h
RLDCEC05065BTH1	220-240	50	6,000	120	6500K	80	≥0.9	110°	1195x595	30,000h

Operation temperature : -20°C to 40°C





## LED Module Fixture

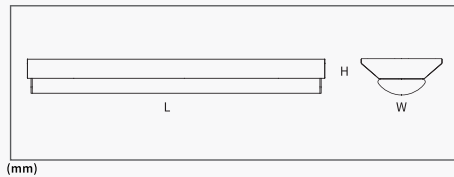
Toshiba new module fixture, the perfect combination of the cutting-edge LED fixture and superbly neat design. It is consisting of the unique detachable 4 feet module and base fitting, present extensive and flexible line-up from simple batten type to high-end highbay module.

### IEC standard

IEC 60598-2-1 : Particular requirements - Fixed general purpose luminaires

IEC 62471 : Photobiological safety

### DIMENSION



### EQUIVALENT

T5:28Wx2/T8:36Wx2

25W/43W

Compare to Fluorescent lamp with fixture

### ENERGY SAVING



Non-Dimmable



RoHS 1955-2551  
TTLIC



Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Colour Temperature	Color Rendering Index (Ra)	Power Factor	Beam Angle	Dimension (LxWxH)	Lifespan (Hrs.)
<b>Batten SET</b>										
RLDTBD02550CTH2	100-240	25	4,000	160	5000K	80	≥0.9	120°	1250x79x30.5	40,000h
RLDTBD02565CTH2	100-240	25	4,000	160	6500K	80	≥0.9	120°	1250x79x30.5	40,000h
RLDTBD03065CTH1	100-240	30	4,000	133	6500K	80	≥0.9	120°	1250x79x30.5	40,000h
RLDTBD04350CTH2	100-240	43	7,000	162	5000K	80	≥0.9	120°	1250x79x30.5	40,000h
RLDTBD04365CTH2	100-240	43	7,000	162	6500K	80	≥0.9	120°	1250x79x30.5	40,000h
RLDTBD04565CTH1	100-240	45	6,000	133	6500K	80	≥0.9	120°	1250x79x30.5	40,000h
<b>V-Shape SET</b>										
RLDTVD02550CTH2	100-240	25	4,000	160	5000K	80	≥0.9	120°	1250x160x30.5	40,000h
RLDTVD02565CTH2	100-240	25	4,000	160	6500K	80	≥0.9	120°	1250x160x30.5	40,000h
RLDTVD03065CTH1	100-240	30	4,000	133	6500K	80	≥0.9	120°	1250x160x30.5	40,000h
RLDTVD04350CTH2	100-240	43	7,000	162	5000K	80	≥0.9	120°	1250x160x30.5	40,000h
RLDTVD04365CTH2	100-240	43	7,000	162	6500K	80	≥0.9	120°	1250x160x30.5	40,000h
RLDTVD04565CTH1	100-240	45	6,000	133	6500K	80	≥0.9	120°	1250x160x30.5	40,000h
<b>Reflector SET</b>										
RLDTRD02550CTH2	100-240	25	4,000	160	5000K	80	≥0.9	120°	1250x150x62.5	40,000h
RLDTRD02565CTH2	100-240	25	4,000	160	6500K	80	≥0.9	120°	1250x150x62.5	40,000h
RLDTRD03065CTH1	100-240	30	4,000	133	6500K	80	≥0.9	120°	1250x150x62.5	40,000h
RLDTRD04350CTH2	100-240	43	7,000	162	5000K	80	≥0.9	120°	1250x150x62.5	40,000h
RLDTRD04365CTH2	100-240	43	7,000	162	6500K	80	≥0.9	120°	1250x150x62.5	40,000h
RLDTRD04565CTH1	100-240	45	6,000	133	6500K	80	≥0.9	120°	1250x150x62.5	40,000h

Operation temperature : -20°C to 40°C





## LED Smart Ceiling Lamp

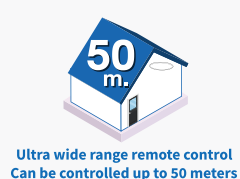
LED Smart Ceiling Lamp lets you easily control your lights from remote control, easy to control and create the right ambience for your every moment.

Combines night mode which gives brightness down to reduce glare and mitigates eyestrain.

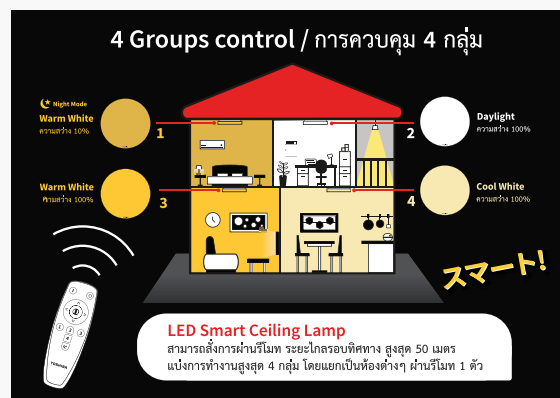
### IEC standard

IEC 60598-2-1 : Particular requirements - Fixed general purpose luminaires

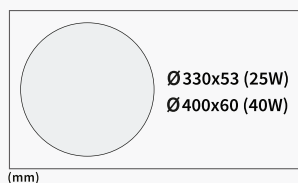
IEC 62471 : Photobiological safety



CCT Adjustable

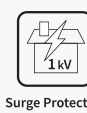


### DIMENSION



(mm)

### ENERGY SAVING



Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Color Temperature	Color Rendering Index (Ra)	Beam Angle	IP level	Lifespan (Hrs.)
RLDT01D025VACTH1	220-240	25	3200*	128	2200K-6800K	80	120°	20	25,000h
RLDT01D040VACTH1	220-240	40	5200*	130	2200K-6800K	80	120°	20	25,000h

\*@ CCT 6800K

Operation temperature : -20°C to 40°C





## LED Linear Waterproof

Toshiba LED linear waterproof have been specifically developed with IP65-rated linear luminaires and produce an excellent efficiency of 130 lm/W. They are widely suitable for underground parking, warehouse which is designed for best replacement of waterproof fluorescent fittings.

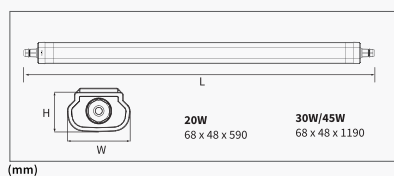
### IEC standard

IEC 60598-2-1 : Fixed general purpose luminaires.  
IEC 62471 : Photobiological safety

### Maximum Connecting

20W / 30W : 8 pcs  
45W : 6 pcs

#### DIMENSION



#### EQUIVALENT

175W/250W/400W

20W/30W/45W

Equivalent compare with incandescent lamp

#### ENERGY SAVING



Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Color Temperature	Efficacy (lm/W)	Color Rendering Index (Ra)	Power Factor	THDi	Beam Angle	Lifespan (Hrs.)
RLDTLC02065CTH2	220-240Vac	20	2600	6500K	130	80	≥0.90	<15%	120°	30,000h
RLDTLC03065CTH2	220-240Vac	30	3900	6500K	130	80	≥0.90	<15%	120°	30,000h
RLDTLC04565CTH2	220-240Vac	45	5800	6500K	128	80	≥0.90	<15%	120°	30,000h

Operation temperature : -20°C to 40°C



# TOSHIBA

## LED Industrial & Outdoor

LED Highbay

LED Street light

LED Floodlight





## LED Highbay

This LED Highbay lighting with superior lumen output extremely endurance with IP65, save on maintenance costs and provide ample illumination for your high ceiling and multiple application : Both indoor and Outdoor use

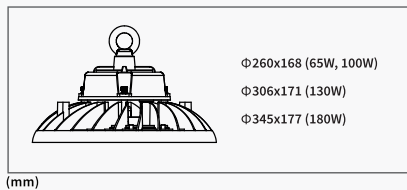
- Workshop
- Warehouse
- Industrial
- Commercial

### IEC standard

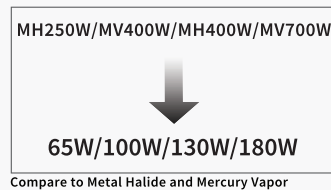
IEC 60598-2-1 : Fixed general purpose luminaires.

IEC 62471 : Photobiological safety

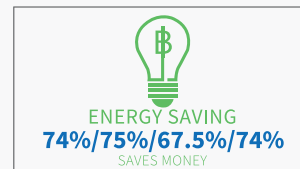
#### DIMENSION



#### EQUIVALENT



#### ENERGY SAVING



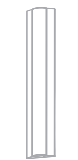
Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Color Temperature	Color Rendering Index (Ra)	Power Factor	Beam Angle	Weight (kg)	Lifespan (Hrs.)
RLDJC065XYTH4	220-240	65	10,400	160	4000K/5000K/6500K	80	≥0.9	90°	2.12	50,000h
RLDJC100XYTH4	220-240	100	16,000	160	4000K/5000K/6500K	80	≥0.9	90°	2.12	50,000h
RLDJC130XYTH4	220-240	130	20,800	160	4000K/5000K/6500K	80	≥0.9	90°	2.62	50,000h
RLDJC180XYTH4	220-240	180	28,800	160	4000K/5000K/6500K	80	≥0.9	90°	3.02	50,000h

#### Remarks :

- Y : 1 digit code for beam angle. 9: 90°(standard), 6: 60°(option), C: 120°(option).
- XX : 2 digits code for CCT: 40 (4000K), 50 (5000K), 65 (6500K).

Operation temperature : -40°C to 50°C



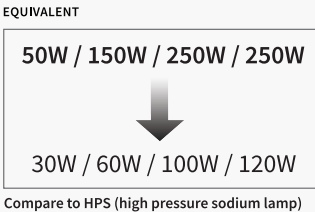
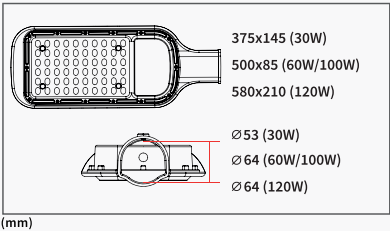


## LED Street Light

Toshiba LED Street Light come with high efficacy 120 lm/W for all models. The lifespan base on a 50,000 hours life and 4kV surge protection. The light weight is good for convenient installation. Suitable for outdoor use with IP66.

**IEC standard**  
IEC 60598-2-3 : Luminaires for road and street lighting

DIMENSION



Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Color Temperature	Color Rendering Index	Power Factor	THDi	Beam Angle	Weight (kg)	Lifespan (Hrs.)
RLDWC03065FTH3	220-240	30	3,600	120	6500K	80	≥0.9	<15%	70°x120°	0.96	50,000h
RLDWC06065FTH3	220-240	60	7,200	120	6500K	80	≥0.9	<15%	70°x120°	1.70	50,000h
RLDWC10065FTH3	220-240	100	12,000	120	6500K	80	≥0.9	<15%	70°x120°	1.70	50,000h
RLDWC12065FTH3	220-240	120	14,400	120	6500K	80	≥0.9	<15%	70°x120°	2.20	50,000h

Operation temperature : -40°C to 50°C





## LED Floodlight


Toshiba LED Floodlight provides lighting that draws attention to a large area and helps to emphasize textures on vertical surfaces and walls. They can be used in outdoor fields providing steady lumen output and weatherproof functionality. Toshiba LED Floodlight is perfect to use in Facade, signboard and parking area.



### IEC standard

IEC 60598-2-5 : Particular requirements - Floodlights.

#### DIMENSION

	266x198x46 (50W) 313x275x53 (100W) 375x285x57 (150W) 446x345x62 (200W) 611x399x79 (300W)
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(mm)

#### EQUIVALENT

125W / 250W / 375W / 500W / 750W
↓
50W / 100W / 150W / 200W / 300W

Compare to Metal Halide and Mercury Vapor

#### ENERGY SAVING



Surge Protection



Non-Dimmable

Product code	Voltage (Vac)	Rated Wattage (W)	Luminous Flux (lm)	Efficacy (lm/W)	Color Temperature	Color Rendering Index (Ra)	Power Factor	Beam Angle	Weight (Kg)	Lifespan (Hrs.)
RLDFF05057BTH2	100-277	50W	7,500	150	5700K	80	≥0.95	110°	1.40	50,000h
RLDFF10057BTH2	100-277	100W	15,000	150	5700K	80	≥0.95	110°	2.50	50,000h
RLDFF15057BTH2	100-277	150W	22,500	150	5700K	80	≥0.95	110°	3.50	50,000h
RLDFF20057BTH2	100-277	200W	30,000	150	5700K	80	≥0.95	110°	5.00	50,000h
RLDFF30057BTH2	100-277	300W	45,000	150	5700K	80	≥0.95	110°	8.49	50,000h

Operation temperature : -40°C to 50°C