Armadillo LED - Evolution In Lighting

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BARRACUDA LED T8 TUBES

NEW 220° LIGHT DISTRIBUTION

Key Features and Benefits:

Standard T8 Fluorescent sizes
Direct replacement
Lumen Flux > 125lm/W
Over 220° symmetrical wide light distribution
Opaque lens - Traditional appearance
Quality LED light source and built in power supply
Fit Standard Sizes
Power consumption:
4FT - 1200mm - 18W - 1800lm (5000K)
5FT - 1500mm - 22W - 2200lm (5000K)

Fire TP rated and UL94 V-2
Operating Temp: -35°C ~ 85°C
S/P ratio: 4000K > 1.6
5000K > 1.9
CRI>80; LED Efficacy >100lm/W
Product lifetime >60,000hrs
Power factor >0.925

Suitable for most applications...
Sports, Schools, Car Parks, Corridors,
Offices, Wards, Operating Theatres...

Fully insulated 360° Polycarbonate opaque lens provide ultra wide light distribution, prevent glare. Suitable for Low level ceiling applications such car park, underpass, corridors...

Quality SMD LED light source, with CRI>80 supplied as standard. 4000K and 5000K option.

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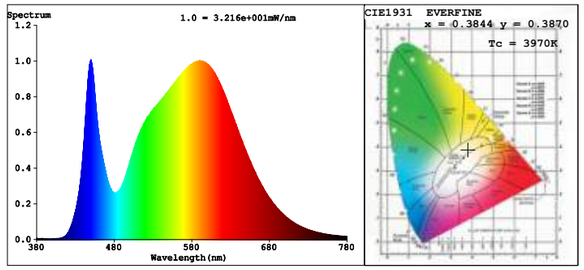
Barracuda LED T8 4FT - 1200MM 4000K CRI>80



Colorimetric Quantities

Chromaticity Coordinate:x=0.3844 y=0.3870/u'=0.2236 v'=0.5066
Tc=3970K(Duv=0.0036) Dominant WL:Ld =577.4nm Purity=31.5%
Peak WL:Lp=449.6nm HWL:Lhd=144.4nm
Render Index:Ra=80.1
R1 =77 R2 =86 R3 =93 R4 =78 R5 =77 R6 =80 R7 =86
R8 =61 R9 =0 R10=66 R11=76 R12=55 R13=79 R14=96 R15=70

Photometric & Radiometric Quantities

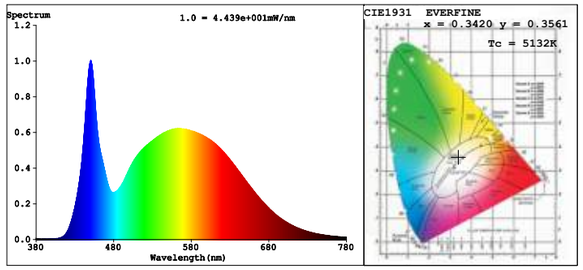
Flux = 1864 lm Eff. : 103.32 lm/W Fe = 5.518 W Scotopic:3028.3 S/P:1.6245

Electrical parameters

V = 228.6 V I = 0.08320 A P = 18.04 W PF = 0.9484

Status: Integral T = 75 ms Ip = 47503 (72%)
Test Mode: Fast Test; Delicacy = High; Tecool: ON

Barracuda LED T8 4FT - 1200MM 5000K CRI>80



Colorimetric Quantities

Chromaticity Coordinate:x=0.3420 y=0.3561/u'=0.2076 v'=0.4864
Tc=5132K(Duv=0.0035) Dominant WL:Ld =567.3nm Purity=9.5%
Peak WL:Lp=450.4nm HWL:Lhd=22.5nm
Render Index:Ra=83.7
R1 =82 R2 =87 R3 =91 R4 =84 R5 =83 R6 =82 R7 =89
R8 =72 R9 =19 R10=70 R11=82 R12=62 R13=83 R14=95 R15=78

Photometric & Radiometric Quantities

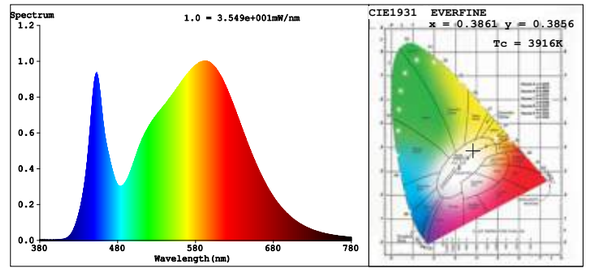
Flux = 1769 lm Eff. : 105.17 lm/W Fe = 5.652 W Scotopic:3497.6 S/P:1.9777

Electrical parameters

V = 228.5 V I = 0.07873 A P = 16.82 W PF = 0.9347

Status: Integral T = 94 ms Ip = 51046 (78%)
Test Mode: Fast Test; Delicacy = High; Tecool: ON

Barracuda LED T8 5FT - 1500MM 4000K CRI>80



Colorimetric Quantities

Chromaticity Coordinate:x=0.3861 y=0.3856/u'=0.2253 v'=0.5063
Tc=3916K(Duv=0.0025) Dominant WL:Ld =578.2nm Purity=31.6%
Peak WL:Lp=591.2nm HWL:Lhd=144.5nm
Render Index:Ra=81.0
R1 =79 R2 =88 R3 =95 R4 =79 R5 =78 R6 =83 R7 =85
R8 =61 R9 =1 R10=71 R11=76 R12=58 R13=81 R14=97 R15=72

Photometric & Radiometric Quantities

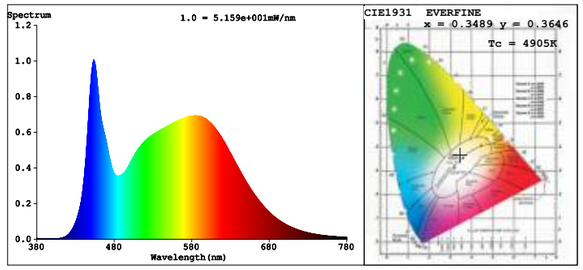
Flux = 2035 lm Eff. : 88.43 lm/W Fe = 6.099 W Scotopic:3337.2 S/P:1.6401

Electrical parameters

V = 228.5 V I = 0.1047 A P = 23.01 W PF = 0.9617

Status: Integral T = 76 ms Ip = 52931 (81%)
Test Mode: Fast Test; Delicacy = High; Tecool: ON

Barracuda LED T8 5FT - 1500MM 5000K CRI>80



Colorimetric Quantities

Chromaticity Coordinate:x=0.3489 y=0.3646/u'=0.2090 v'=0.4914
Tc=4905K(Duv=0.0049) Dominant WL:Ld =570.0nm Purity=14.1%
Peak WL:Lp=453.5nm HWL:Lhd=27.9nm
Render Index:Ra=83.2
R1 =81 R2 =91 R3 =96 R4 =79 R5 =81 R6 =86 R7 =86
R8 =66 R9 =8 R10=78 R11=78 R12=57 R13=84 R14=98 R15=75

Photometric & Radiometric Quantities

Flux = 2252 lm Eff. : 99.35 lm/W Fe = 6.953 W Scotopic:4462.2 S/P:1.9816

Electrical parameters

V = 228.9 V I = 0.1026 A P = 22.67 W PF = 0.9649

Status: Integral T = 72 ms Ip = 51150 (78%)
Test Mode: Fast Test; Delicacy = High; Tecool: ON

NEW 220° Light distribution with Polycarbonate Opaque Lens

Wide Beam Light Distribution

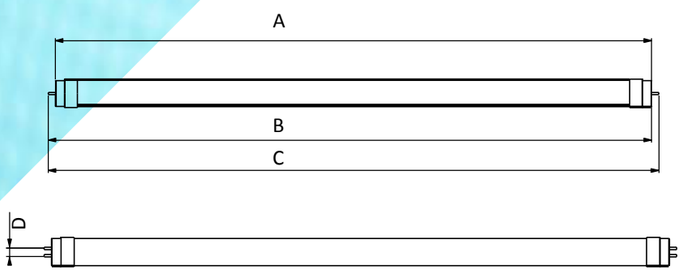
Easy Assembly

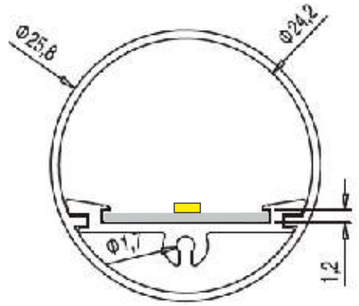
TEST STANDARDS COMPLIANCE
EN 60598-1:2008+A11:2009
EN 60825-1:2007
EN 55015:2006+A2:2009
EN 61547:2009
EN 61000-3-2:2006
EN 61000-3-3:2008

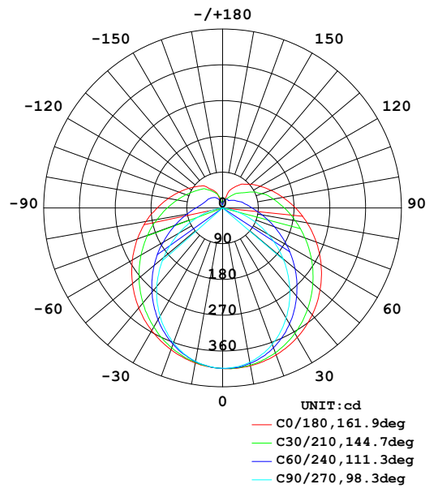
Secure Packaging (25pcs a box)

Standard Sizes: 4FT - 1200mm
5FT - 1500mm

	BARRACUDA LED T8				
Standard	A (mm)	B (mm)	C (mm)	D (mm)	Lamp holder
1200 (4ft)	1199.4	1206.0	1213.6	12.7	G13
1500 (5ft)	1500.0	1507.0	1514.2	12.7	G13







Wiring of NEW or retrofit of exiting luminaries
Complete wiring instructions supplied with products, or please contact sales / technical team for support.

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BARRACUDA LED T8 TUBES LIGHT INSTRUCTION

Installation Instruction

BARRACUDA LED T8 Tubes are easy retrofit and will work with most common magnetic ballast wiring systems by replacing starter, with Y1ASTA ArmadilloLED fuse starter, and no additional wiring required. In some cases, if Capacitors in place, these will be required to remove. It is HIGHLY recomend to remove magnetic ballast to avoid future ballast failures.

In case of electronic ballast, small rewiring is required. It is due to fact that LED are Solid State Lighting, not discharge gas based light sources.

Most common and easiest way of rewiring is to connect one end of the tube only, by wiring live (L) and neutral (N) into each pin.
Wiring MUST be performed from MARKED SIDE ONLY (SAME AS LOGO SIDE)

Standard Fluorescent Tube wiring format (example)

MAGNETIC

ELECTRONIC

This instruction is suitable for the following lamps: Barracuda LED T8 Tube

1. **WARNING** Switch the mains power off.
2. Remove starter from the existing circuit. (*If starter in place)
3. Remove or by-pass ballast in existing housing, **leave remaining wiring format unchanged.**
4. Replace existing fluorescent tube with Armadillo LED Barracuda tube.
5. Insert Armadillo LED Starter (MPN: Y1ASTA) - (*If replacement required)
6. Your fittings are ready to use and you can start saving with Armadillo LED tubes.
7. Switch the mains power on.

Full installation manual
available from *www.armadilloled.com*

Option A) Barracuda LED Tube wiring format suitable for exiting MAGNETIC ballast wiring and NEW wiring.

Option B) Barracuda LED Tube wiring format suitable for retrofit of Magnetic or Electronic ballast wiring with (L) and (N) connected to one end of the LED tube ONLY.
Connect from MARKED SIDE (LOGO SIDE) ONLY
Non Marked side remain disconnected.

* if electronic ballast is already installed, bypass or remove ballast. LED Starter (Y1ASTA) and installation of starter will not be required.

The Armadillo Barracuda 'T' series solution is based on the requirement to ensure the pins on either side of the tube are without electricity when only one side of the tube is connected to the lamp frame. Providing a safety conscious install even when only one end is connected to the supply.