

# LEDTOUCH BATTEN PERFORM

Data Sheet



LEDTOUCH™ BATTEN PERFORM is a linear LED luminaire with elegant aluminum housing and sleek diffuser which can be connected seamlessly to provide continuously light. With integrated optics and easy installation features, it is an ideal energy-saving light source in general indoor area illumination, shelf and cove lighting applications for replacement of traditional HO T5 batten.

## BENEFIT

- Elegant, slim and futuristic design
- Easy installation
- Seamless and continuous light connection
- Can connect up to 10pcs (12metres)
- Suspension-mount / surface-mount
- High uniformity of light
- Available in warm white, neutral white and cool white
- Save about 33% energy compares to 2x54W HO T5 batten

## APPLICATION

- Office Lighting
- Public area in commercial building
- Shopping mall
- Fashion / gadget shop
- High-class supermarket
- Library / school
- 2 product types: A-type for surface-mount or interconnection; B-type for suspension mount

## SPECIFICATION

Item	Parameter	LEDTOUCH BATTEN PERFORM LBP2A	LEDTOUCH BATTEN PERFORM LBP2B	LEDTOUCH BATTEN PERFORM LBP4A	LEDTOUCH BATTEN PERFORM LBP4B
Optical <sup>1</sup>	Lumen (lm)	1750lm±10% (2700K) 1800lm±10% (3000K) 1900lm±10% (4000K) 2000lm±10% (6500K)	1750lm±10% (2700K) 1800lm±10% (3000K) 1900lm±10% (4000K) 2000lm±10% (6500K)	3500lm±10% (2700K) 3600lm±10% (3000K) 3800lm ±10% (4000K) 4000lm ±10% (6500K)	3500lm±10% (2700K) 3600lm±10% (3000K) 3800lm ±10% (4000K) 4000lm ±10% (6500K)
	Efficacy (lm/W)	87lm/W (2700K) 90lm/W (3000K) 97lm/W (4000K) 100lm/W (6500K)	87lm/W (2700K) 90lm/W (3000K) 97lm/W (4000K) 100lm/W (6500K)	87lm/W (2700K) 90lm/W (3000K) 97lm/W (4000K) 100lm/W (6500K)	87lm/W (2700K) 90lm/W (3000K) 97lm/W (4000K) 100lm/W (6500K)
	CCT (K)	2700K, 3000K, 4000K, 6500K		2700K, 3000K, 4000K, 6500K	
	SDCM	4 step		4 step	
	Beam Angle	120°		120°	
	CRI	>80		>80	
	Electrical <sup>2</sup>	Power	20W±10%		40W±10%
Nominal Current		0.1A		0.18A	
Max Linkable Qty		20pcs		10pcs	
Input Voltage		220~240V AC (50/60Hz)			
Surge Protection		500V			
Power Factor		0.9			
Mechanical	Power terminal position <sup>3</sup>	At the side <sup>3</sup>	At the back <sup>3</sup>	At the side <sup>3</sup>	At the back <sup>3</sup>
	Dimension (mm)	580L x 25W x 40H		1180L x 25W x 40H	
	Weight (g)	320g		640g	
	Material	Body with extrusion aluminum and diffuser cover with PC			
	Mounting	Suspension mount / surface mount with mounting brackets			
Thermal <sup>4</sup>	Ambient (°C)	-20 ... +40°C (T <sub>a</sub> in free air)			
	Storage (°C)	-30 ... +80°C			
	Lifetime	35,000 hours(T <sub>a</sub> @ 40°C); 50,000 hours(T <sub>a</sub> @ 25°C)			
Approbation	CB	Available			
	CCC	Available			
	Protection Class	IP 20, Class II			
	Environment	RoHS			

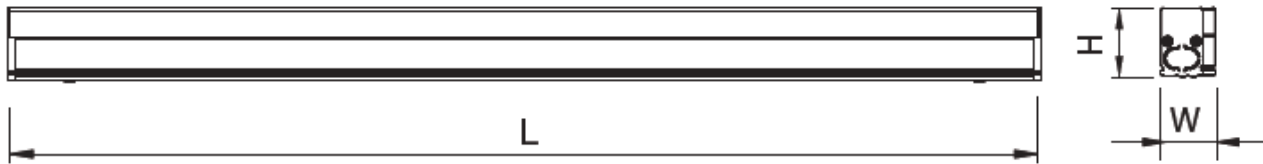
1) The optical technical parameters shown above are typical data can only reflect statistical figures and do not necessarily correspond to the individual product measurement which could deviate from the typical data within ±10%.

2) Exceeding maximum ratings for operation voltage will cause hazardous overload and will destroy the LED luminaire.

3) Please refer to user manual for details.

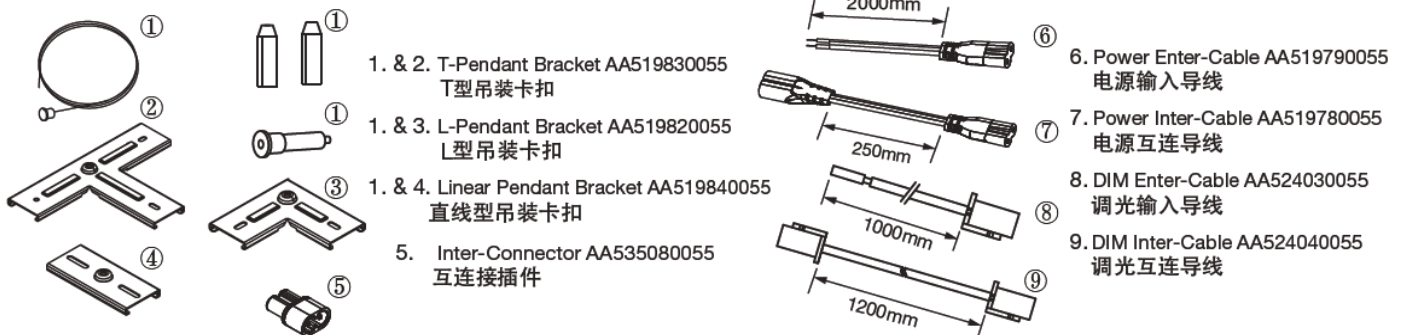
4) Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED luminaire.

## DIMENSIONS



Product description	L	W	H
LEDTOUCH BATTEN PERFORM LBP2A	580mm	25mm	40mm
LEDTOUCH BATTEN PERFORM LBP2B	580mm	25mm	40mm
LEDTOUCH BATTEN PERFORM LBP4A	1180mm	25mm	40mm
LEDTOUCH BATTEN PERFORM LBP4B	1180mm	25mm	40mm

## Accessories (To be ordered separately if needed)

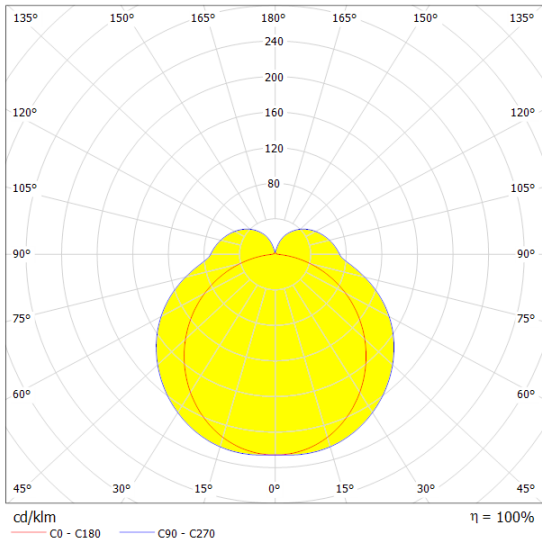


## SAFETY INFORMATION

- The LED luminaire itself and all its components may not be mechanical stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- Installation of LED luminaire with (power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Damage by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.
- The design of the housing should be according to the IP standards in the application.

PHOTOMETRICS

Light Distribution for 2ft 2700K

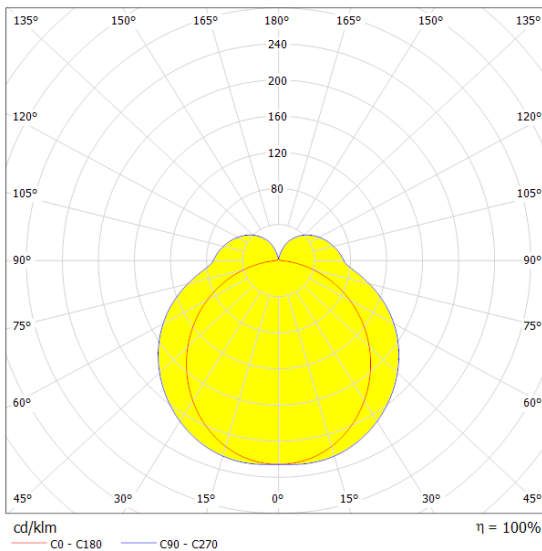


Distance [m]	Cone Diameter [m]	E(0°)	E(C90)	E(C0)
0.5	3.17 1.40	1580	22	155
1.0	6.34 2.80	395	5	39
1.5	9.51 4.21	176	2	17
2.0	12.69 5.61	99	1	10
2.5	15.86 7.01	63	1	6
3.0	19.03 8.41	44	1	4

Distance [m]      Cone Diameter [m]      Illuminance [lx]

— C0 - C180 (Half-value Angle: 109.0°)  
— C90 - C270 (Half-value Angle: 145.0°)

Light Distribution for 2ft 3000K



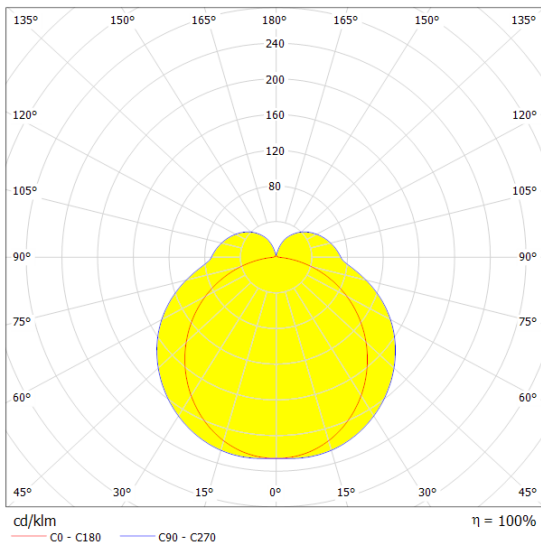
Distance [m]	Cone Diameter [m]	E(0°)	E(C90)	E(C0)
0.5	3.17 1.40	1625	22	159
1.0	6.34 2.80	406	6	40
1.5	9.51 4.21	181	2	18
2.0	12.69 5.61	102	1	10
2.5	15.86 7.01	65	1	6
3.0	19.03 8.41	45	1	4

Distance [m]      Cone Diameter [m]      Illuminance [lx]

— C0 - C180 (Half-value Angle: 109.0°)  
— C90 - C270 (Half-value Angle: 145.0°)

PHOTOMETRICS

Light Distribution for 2ft 4000K

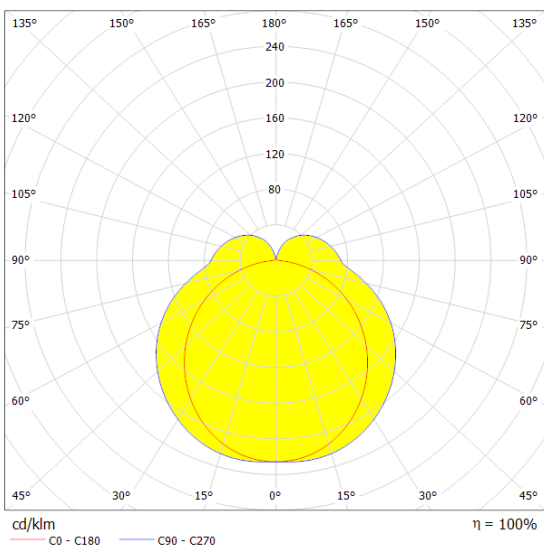


Distance [m]	Cone Diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	3.17 1.40	1715	23	168	
1.0	6.34 2.80	429	6	42	
1.5	9.51 4.21	191	3	19	
2.0	12.69 5.61	107	1	10	
2.5	15.86 7.01	69	1	7	
3.0	19.03 8.41	48	1	5	

Distance [m]      Cone Diameter [m]      Illuminance [lx]

— C0 - C180 (Half-value Angle: 109.0°)  
— C90 - C270 (Half-value Angle: 145.0°)

Light Distribution for 2ft 6500K



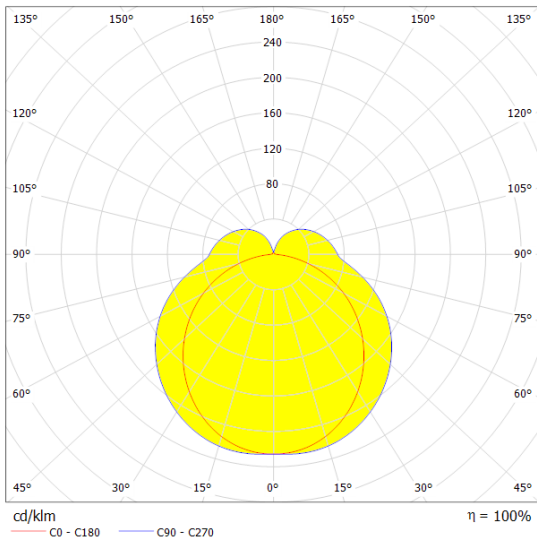
Distance [m]	Cone Diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	3.17 1.40	1805	25	177	
1.0	6.34 2.80	451	6	44	
1.5	9.51 4.21	201	3	20	
2.0	12.69 5.61	113	2	11	
2.5	15.86 7.01	72	1	7	
3.0	19.03 8.41	50	1	5	

Distance [m]      Cone Diameter [m]      Illuminance [lx]

— C0 - C180 (Half-value Angle: 109.0°)  
— C90 - C270 (Half-value Angle: 145.0°)

PHOTOMETRICS

Light Distribution for 4ft 2700K

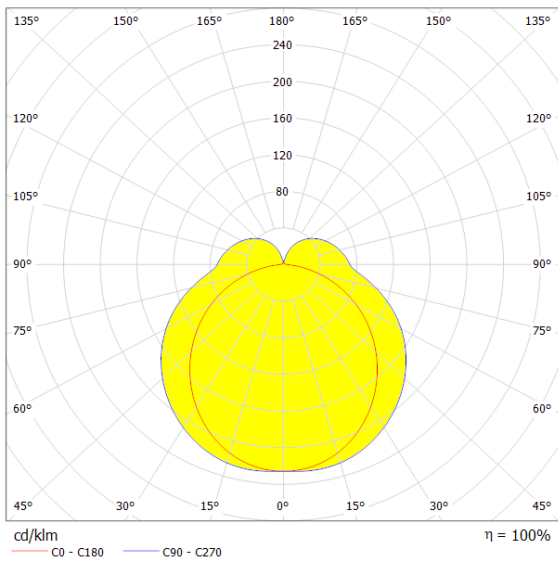


Distance [m]	Cone Diameter [m]	E(0°)	E(C90)	E(C0)	η
0.5	3.17 1.40	3159	72.5° 43	54.5° 309	
1.0	6.34 2.80	790	72.5° 11	54.5° 77	
1.5	9.51 4.21	351	72.5° 5	54.5° 34	
2.0	12.69 5.61	197	72.5° 3	54.5° 19	
2.5	15.86 7.01	126	72.5° 2	54.5° 12	
3.0	19.03 8.41	88	72.5° 1	54.5° 9	

Distance [m] Cone Diameter [m] Illuminance [lx]

— C0 - C180 (Half-value Angle: 109.0°)  
— C90 - C270 (Half-value Angle: 145.0°)

Light Distribution for 4ft 3000K



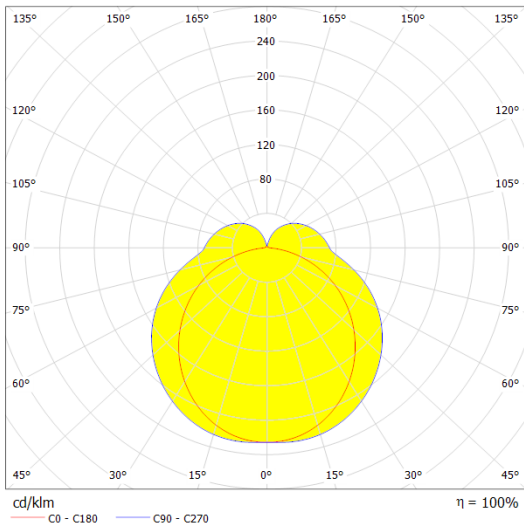
Distance [m]	Cone Diameter [m]	E(0°)	E(C90)	E(C0)	η
0.5	3.17 1.40	3249	72.5° 45	54.5° 318	
1.0	6.34 2.80	812	72.5° 11	54.5° 80	
1.5	9.51 4.21	361	72.5° 5	54.5° 35	
2.0	12.69 5.61	203	72.5° 3	54.5° 20	
2.5	15.86 7.01	130	72.5° 2	54.5° 13	
3.0	19.03 8.41	90	72.5° 1	54.5° 9	

Distance [m] Cone Diameter [m] Illuminance [lx]

— C0 - C180 (Half-value Angle: 109.0°)  
— C90 - C270 (Half-value Angle: 145.0°)

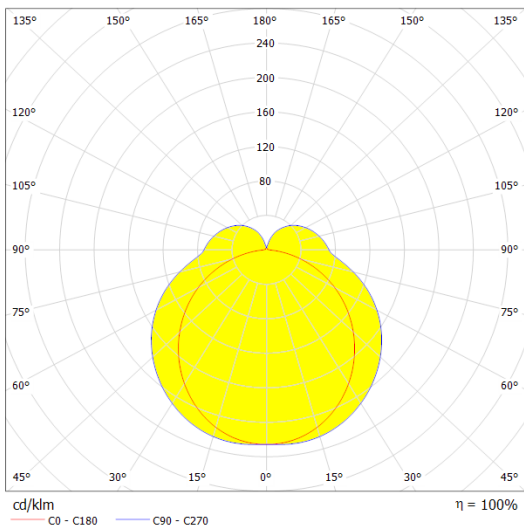
PHOTOMETRICS

Light Distribution for 4ft 4000K



Distance [m]	Cone Diameter [m]	Beam Spread [°]	E(0°)	E(C90)	E(C0)
0.5	3.17	109.0°	3430	47	336
1.0	6.34	109.0°	857	12	84
1.5	9.51	109.0°	381	5	37
2.0	12.69	109.0°	214	3	21
2.5	15.86	109.0°	137	2	13
3.0	19.03	109.0°	95	1	9

Light Distribution for 4ft 6500K



Distance [m]	Cone Diameter [m]	Beam Spread [°]	E(0°)	E(C90)	E(C0)
0.5	3.17	109.0°	3610	49	354
1.0	6.34	109.0°	903	12	88
1.5	9.51	109.0°	401	5	39
2.0	12.69	109.0°	226	3	22
2.5	15.86	109.0°	144	2	14
3.0	19.03	109.0°	100	1	10

## ORDERING CODE

Product Name	Product Code	EAN10	EAN40	SU
LEDTOUCH Batten Perform 4ft 2700K A type	LDTH BAT PFM LBP4A 827	4052899167551	4052899167568	10*1
LEDTOUCH Batten Perform 4ft 3000K A type	LDTH BAT PFM LBP4A 830	4052899167575	4052899167582	10*1
LEDTOUCH Batten Perform 4ft 4000K A type	LDTH BAT PFM LBP4A 840	4052899167599	4052899167605	10*1
LEDTOUCH Batten Perform 4ft 6500K A type	LDTH BAT PFM LBP4A 865	4052899167612	4052899167629	10*1
LEDTOUCH Batten Perform 4ft 2700K B type	LDTH BAT PFM LBP4B 827	4052899167636	4052899167643	10*1
LEDTOUCH Batten Perform 4ft 3000K B type	LDTH BAT PFM LBP4B 830	4052899167650	4052899167667	10*1
LEDTOUCH Batten Perform 4ft 4000K B type	LDTH BAT PFM LBP4B 840	4052899167674	4052899167681	10*1
LEDTOUCH Batten Perform 4ft 6500K B type	LDTH BAT PFM LBP4B 865	4052899167698	4052899167704	10*1
LEDTOUCH Batten Perform 2ft 2700K A type	LDTH BAT PFM LBP2A 827	4052899167711	4052899167728	10*1
LEDTOUCH Batten Perform 2ft 3000K A type	LDTH BAT PFM LBP2A 830	4052899167735	4052899167742	10*1
LEDTOUCH Batten Perform 2ft 4000K A type	LDTH BAT PFM LBP2A 840	4052899167759	4052899167766	10*1
LEDTOUCH Batten Perform 2ft 6500K A type	LDTH BAT PFM LBP2A 865	4052899167773	4052899167780	10*1
LEDTOUCH Batten Perform 2ft 2700K B type	LDTH BAT PFM LBP2B 827	4052899167797	4052899167803	10*1
LEDTOUCH Batten Perform 2ft 3000K B type	LDTH BAT PFM LBP2B 830	4052899167810	4052899167827	10*1
LEDTOUCH Batten Perform 2ft 4000K B type	LDTH BAT PFM LBP2B 840	4052899167834	4052899167841	10*1
LEDTOUCH Batten Perform 2ft 6500K B type	LDTH BAT PFM LBP2B 865	4052899167858	4052899167865	10*1
LEDTOUCH Batten Power Intercable	LDTH BAT POWER INTERCABLE	4008321869807	4008321869814	10*10
LEDTOUCH Batten Power Entercable	LDTH BAT POWER ENTERCABLE	4008321869821	4008321869838	10*10
LEDTOUCH Batten L Pendant Bracket	LDTH BAT L PENDANT BRACKET	4008321869845	4008321869852	10*5
LEDTOUCH Batten T Pendant Bracket	LDTH BAT T PENDANT BRACKET	4008321869869	4008321869876	10*5
LEDTOUCH Batten Linear Pendant Bracket	LDTH BAT LIN PENDANT BRACKET	4008321869883	4008321869890	10*5
LEDTOUCH Batten Dim Intercable	LDTH BAT DIM ENTERCABLE	4008321869906	4008321869913	10*10
LEDTOUCH Batten Dim Intercable	LDTH BAT DIM INTERCABLE	4008321869920	4008321869937	10*10
LEDTOUCH Batten Power Interconnector	LDTH BAT POWER INTERCONNECTOR	4008321869944	4008321869951	10*20