

## **Zelos Beam**



matt Black Matt Silver Matt Titanium

and public installations.

## Product Information

Zelos Beam's specifically designed optics provides up to 8 metre spacings on typical pathway applications (15 lux average and 0.25 uniformity), with minimal upward light. It has been tested to withstand crowd loading up to 1.5kN/m. Incorporating a removable gear tray ensures Zelos Beam is quick and easy to maintain, whilst enabling sustainable technology upgrades.

Community and Public applications include the perimeter of buildings. Transport applications include station forecourts and open car parks.

This luminaire is designed for longevity and sustainability and adheres to our circular design principles. We conduct a circular economy assessment using <a href="M66"><u>TM66</u></a> and measure embodied carbon (kgCO e) in accordance with <a href="TM65.2">TM65.2</a>.

Impact Resistance Rating: IK16 (150J). What is IK Rating?

Ingress Protection Rating: IP66. What is IP Rating?

**Housing:** Extruded aluminium body with die cast

aluminium head.

**Paint:** Polyester powder coat. <u>All Colour Options</u> Available Here.

**Diffuser:** Opal or clear polycarbonate diffuser in casting secured with tamperproof screws.

**Driver:** Electronic control gear on removable tray for ease of repair/upgrade with fused plug and socket connector block.

Mounting: Integral baseplate.

Cable Entry: Pre-wired with 500m flying lead.

Design Life: 30+ years. What is Design Life?

Additional Information: We recommend that a root mount is installed to ensure the strength and to optimise installation (Root mounting brackets are available as a chargeable extra – see options).

## Technical Information

ZelosBeam	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	сст (к)	
Opal					
TLSBB-1100N-X-MT	931	9.5	98	4000	
TESBE-1100IV-X-IVII					
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime	
	15	CRI>80		L70B10>110,000h	
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)	
	100,000	D	404	-	
	Dimensions				
	315mm x 230mm x 1000mm (Single head)				
TLSBB-1400N-X-MT	1154	13.4	86	4000	
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime	
	15	CRI>80	-	L7 0 B1 0 > 110,000h	
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)	
	100,000	D	404		
	Dimensions				
	315mm x 230mm x 1000mm (Single head)	, 315mm x 335mm x 1000mm (E	ouble head)		
TLSBB-1100W-X-MT	884	9.5	93	3000	
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime	
	15	CRI>80		L70B10>110,000h	
		CKI-00			
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)	
			Emergency Output (Lum/lm)		
	Driver lifetime (up to hours)	LED Energy Rating			
	Driver lifetime (up to hours)	<b>LED Energy Rating</b> D	383		
TLSBB-1400W-X-MT	Driver lifetime (up to hours)  100,000  Dimensions	<b>LED Energy Rating</b> D	383		
TLSBB-1400W-X-MT	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)	LED Energy Rating  D  315mm x 335mm x 1000mm (E	383 Jouble head)	Nightlight Output (Lum/im) -	
TLSBB-1400W-X-MT	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)	LED Energy Rating  D  , 315mm x 335mm x 1000mm (E	383 Pouble head) 82	Nightlight Output (Lum/lm) - 3000	
TLSBB-1400W-X-MT	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)	LED Energy Rating  D  315mm x 335mm x 1000mm (D  13.4  CRI	383 Pouble head) 82	Nightlight Output (Lum/lm)  -  3000  LED Lifetime	
TLSBB-1400W-X-MT	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15	LED Energy Rating  D  ,315mm x 335mm x 1000mm (C  13.4  CRI  CRI>80	383  bouble head)  82  High Temp (°C)  -	Nightlight Output (Lum/lm) - 3000  LED Lifetime  L 7 + B 1 + > > 110 + 000 h	
TLSBB-1400W-X-MT	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)	LED Energy Rating  D  13.4  CRI  CRI>80  LED Energy Rating	383  Souble head)  82  High Temp (°C)  -  Emergency Output (Lum/lm)	Nightlight Output (Lum/lm) - 3000  LED Lifetime  L 7 + B 1 + > > 110 + 000 h	
TLSBB-1400W-X-MT	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)  100,000	LED Energy Rating  D  13.4  CRI  CRI>80  LED Energy Rating  D	383  Pouble head)  82  High Temp (°C)  -  Emergency Output (Lum/lm)  383	Nightlight Output (Lum/im) - 3000  LED Lifetime  L 7 + B 1 + > 110 , 000h	
TLSBB-1400W-X-MT  Clear, Extra Wide Optic	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)  100,000  Dimensions	LED Energy Rating  D  13.4  CRI  CRI>80  LED Energy Rating  D	383  Pouble head)  82  High Temp (°C)  -  Emergency Output (Lum/lm)  383	Nightlight Output (Lum/lm) - 3000  LED Lifetime  L 7 + B 1 + > > 110 + 000 h	
	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)  100,000  Dimensions	LED Energy Rating  D  13.4  CRI  CRI>80  LED Energy Rating  D	383  Pouble head)  82  High Temp (°C)  -  Emergency Output (Lum/lm)  383	Nightlight Output (Lum/lm) - 3000  LED Lifetime  L 7 + B 1 + > > 110 + 000 h	
Clear, Extra Wide Optic	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)	LED Energy Rating  D  ,315mm x 335mm x 1000mm (D  13.4  CRI  CRI > 80  LED Energy Rating  D	383  Pouble head)  82  High Temp (°C)  Emergency Output (Lum/lm)  383	Nightlight Output (Lum/lm)  -  3000  LED Lifetime  L <sub>7</sub> «B <sub>1</sub> «> 110, 000h  Nightlight Output (Lum/lm)  -	
Clear, Extra Wide Optic	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)	LED Energy Rating  D  13.4  CRI  CRI > 80  LED Energy Rating  D	383  Souble head)  82  High Temp (°C)  Emergency Output (Lum/lm)  383  Souble head)	Nightlight Output (Lum/lm)  3000  LED Lifetime  L <sub>7 eB1 e&gt;110,000h  Nightlight Output (Lum/lm)  4000</sub>	
Clear, Extra Wide Optic	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  603  Weight (kg)	LED Energy Rating  D  13.4  CRI  CRI  CRI>80  LED Energy Rating  D  , 315mm × 335mm × 1000mm (E	383  Souble head)  82  High Temp (°C)  Emergency Output (Lum/lm)  383  Souble head)	Nightlight Output (Lum/lm)  3000  LED Lifetime  L 7 8B1 0>110,000h  Nightlight Output (Lum/lm)  4000  LED Lifetime	
Clear, Extra Wide Optic	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  603  Weight (kg)  15	LED Energy Rating  D  13.4  CRI  CRI > 80  LED Energy Rating  D  315mm x 335mm x 1000mm (E	383  Pouble head)  82  High Temp (°C)  -  Emergency Output (Lum/lm)  383  Pouble head)  72  High Temp (°C)  -	Nightlight Output (Lum/lm) - 3000  LED Lifetime  L7+B1+>110,000h  Nightlight Output (Lum/lm) - 4000  LED Lifetime  L7+B1+>102,000h	
Clear, Extra Wide Optic	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  603  Weight (kg)  15  Driver lifetime (up to hours)	LED Energy Rating	383  Pouble head)  82  High Temp (°C)  Emergency Output (Lum/lm)  383  Pouble head)  72  High Temp (°C)  Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)   -	
Clear, Extra Wide Optic	Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  1096  Weight (kg)  15  Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head)  603  Weight (kg)  15  Driver lifetime (up to hours)	LED Energy Rating	383  Pouble head)  82  High Temp (°C)  Emergency Output (Lum/lm)  383  Pouble head)  72  High Temp (°C)  Emergency Output (Lum/lm)  340	Nightlight Output (Lum/lm)   -	

ZelosBeam	Output (Lum/lm)	Load (W)	Efficacy (Im/W)	ССТ (К)
Clear, Extra Wide Optic			· · · · · ·	· · ·
TLSBB-1500NXW-C-MT	1045	16.4	64	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	15	CRI>80		L70B10>102,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	100,000	F	340	
	Dimensions			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBB-1000WXW-C-MT	573	8.4	68	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	15	CRI>80	-	L78B18>102,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	F	323	
	Dimensions			
	315mm x 230mm x 1000mm (Single head), 3:	15mm x 335mm x 1000mm (Do	uble head)	
TLSBB-1500WXW-C-MT	993	16.4	61	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	15	CRI>80		L70B10>102,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	F	323	Nghaight Output (Lani/ini)
		<u>,                                      </u>	323	-
	Dimensions			
	315mm x 230mm x 1000mm (Single head), 3:	15mm x 335mm x 1000mm (Do	uble head)	
Opal, Double-headed		15mm x 335mm x 1000mm (Do	uble head)	
Opal, Double-headed TLSBBD-1100N-X-MT		15mm x 335mm x 1000mm (Do	uble head)	4000
	315mm x 230mm x 1000mm (Single head), 3			4000 LED Lifetime
	315mm x 230mm x 1000mm (Single head), 3	19	98	
	315mm x 230mm x 1000mm (Single head), 3 931/931 Weight (kg)	19 CRI	98	LED Lifetime
	315mm x 230mm x 1000mm (Single head), 3 931/931 Weight (kg) 18.2	19 CRI CRI>80	98 High Temp (°C)	LT 0 B1 0 > 110 , 000 h
	315mm x 230mm x 1000mm (Single head), 3 931/931 Weight (kg) 18.2 Driver lifetime (up to hours)	19 CRI CRI>80 LED Energy Rating	98 High Temp (°C) - Emergency Output (Lum/lm)	LT 0 B1 0 > 110 , 000 h
	315mm x 230mm x 1000mm (Single head), 3 931/931 Weight (kg) 18.2 Driver lifetime (up to hours)	19 CRI CRI>80 LED Energy Rating D	98 High Temp (°C) - Emergency Output (Lum/lm) 404	LT 0 B1 0 > 110 , 000 h
	315mm x 230mm x 1000mm (Single head), 3 931/931 Weight (kg) 18.2 Driver lifetime (up to hours) 100,000 Dimensions	19 CRI CRI>80 LED Energy Rating D	98 High Temp (°C) - Emergency Output (Lum/lm) 404	LT 0 B1 0 > 110 , 000 h
TLSBBD-1100N-X-MT	315mm x 230mm x 1000mm (Single head), 3 931/931 Weight (kg) 18.2 Driver lifetime (up to hours) 100.000 Dimensions 315mm x 230mm x 1000mm (Single head), 3	19 CRI CRI>80 LED Energy Rating D 15mm x 335mm x 1000mm (Do	98 High Temp (°C) - Emergency Output (Lum/im) 404 uble head)	LT+B1+>110,000h  Nightlight Output (Lum/Im) .
TLSBBD-1100N-X-MT	315mm x 230mm x 1000mm (Single head), 3 931/931 Weight (kg) 18.2 Driver lifetime (up to hours) 100,000 Dimensions 315mm x 230mm x 1000mm (Single head), 3 1154/1154	19 CRI CRI>80 LED Energy Rating D 15mm x 335mm x 1000mm (Do 26.8	98 High Temp (*C) - Emergency Output (Lum/lm) 404  uble head)	LED Lifetime  L70B10>110,000h  Nightlight Output (Lum/lm)  -
TLSBBD-1100N-X-MT	315mm x 230mm x 1000mm (Single head), 3 931/931  Weight (kg)  18.2  Driver lifetime (up to hours)  100.000  Dimensions  315mm x 230mm x 1000mm (Single head), 3 1154/1154  Weight (kg)	19 CRI CRI>80 LED Energy Rating D 15mm x 335mm x 1000mm (Do 26.8 CRI	98 High Temp (*C) - Emergency Output (Lum/lm) 404  uble head)	LED Lifetime  L7+B1+>110,000h  Nightlight Output (Lum/Im)  -  4000  LED Lifetime
TLSBBD-1100N-X-MT	315mm x 230mm x 1000mm (Single head), 3 931/931 Weight (kg) 18.2 Driver lifetime (up to hours) 100,000 Dimensions 315mm x 230mm x 1000mm (Single head), 3 1154/1154 Weight (kg) 18.2	19 CRI CRI>80 LED Energy Rating D 15mm x 335mm x 1000mm (Do 26.8 CRI CRI>80	98  High Temp (°C)  -  Emergency Output (Lum/lm)  404  uble head)  86  High Temp (°C)  -	LED Lifetime  L 7 6 B 1 0 > 110 , 000 h  Nightlight Output (Lum/lm)  -  4000  LED Lifetime  L 7 6 B 1 0 > 110 , 000 h
TLSBBD-1100N-X-MT	315mm x 230mm x 1000mm (Single head), 3 931/931  Weight (kg)  18.2  Driver lifetime (up to hours)  100,000  Dimensions  315mm x 230mm x 1000mm (Single head), 3 1154/1154  Weight (kg)  18.2  Driver lifetime (up to hours)	19 CRI CRI>80 LED Energy Rating D 15mm x 335mm x 1000mm (Do 26.8 CRI CRI>80 LED Energy Rating	98  High Temp (°C)  - Emergency Output (Lum/Im)  404  uble head)  86  High Temp (°C)  - Emergency Output (Lum/Im)	LED Lifetime  L 7 6 B 1 0 > 110 , 000 h  Nightlight Output (Lum/lm)  -  4000  LED Lifetime  L 7 6 B 1 0 > 110 , 000 h
TLSBBD-1100N-X-MT	315mm x 230mm x 1000mm (Single head), 3 931/931 Weight (kg) 18.2 Driver lifetime (up to hours) 100.000 Dimensions 315mm x 230mm x 1000mm (Single head), 3 1154/1154 Weight (kg) 18.2 Driver lifetime (up to hours)	19 CRI CRI>80 LED Energy Rating D 15mm x 335mm x 1000mm (Do 26.8 CRI CRI>80 LED Energy Rating	98  High Temp (°C)  - Emergency Output (Lum/Im)  404  uble head)  86  High Temp (°C)  - Emergency Output (Lum/Im)  404	LED Lifetime  L 7 6 B 1 0 > 110 , 000 h  Nightlight Output (Lum/lm)  -  4000  LED Lifetime  L 7 6 B 1 0 > 110 , 000 h

ZelosBeam	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	ССТ (К)
Opal, Double-headed				
TLSBBD-1100W-X-MT	884/884	19	93	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	18.2	CRI>80	-	L70B10>110,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	D	383	-
	Dimensions			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBBD-1400W-X-MT	1096/1096	26.8	82	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	18.2	CRI>80		L78B18>110,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	D	383	
	Dimensions			
	315mm x 230mm x 1000mm (Single head),	315mm x 335mm x 1000mm (I	Double head)	
Clear, Extra Wide Optic, Double-headed				
TLSBBD-1000NXW-C-MT	603/603	16.8	72	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	18.2	CRI>80	-	L78B18>102,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	F	340	-
	Dimensions			
	315mm x 230mm x 1000mm (Single head),	315mm x 335mm x 1000mm (I	Double head)	
TLSBBD-1500NXW-C-MT	1045/1045	32.8	64	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	18.2	CRI>80	-	L78B18>102,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	F	340	
	Dimensions			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBBD-1000WXW-C-MT	573/573	16.8	68	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	18.2	CRI>80		L78B18>102,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	F	323	
	Dimensions			
		315mm x 335mm x 1000mm (f	Double head)	
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			

ZelosBeam	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	сст (к)
Clear, Extra Wide Optic, Double-headed				
TLSBBD-1500WXW-C-MT	993/993	32.8	61	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	18.2	CRI>80	-	L70B10>102,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	F	323	-
	Dimensions			
	315 mmx230 mmx1000 mm(Singlehead), 315 mmx335 mmx1000 mm(Doublehead)			

## Fitting Options

Photo Cell	-PC
Change Over Relay, 240V Relay Supplied	-ER
Central Battery Maintained 110V	-EV
Maintained Emergency 3 Hour, DALI	-ED
Maintained Emergency 3 Hour	-E3
Matt Black	-MB
Matt Silver	-MS
Matt Titanium	-MT
DALI-2 Dimming / Monitoring	-DA

- For paint colour options, please replace -MT with required paint code.
- For -PC option, Zelos Beam will be IP65 because the photocell lens is rated to IP65.
- For Root mounting bracket for single beam and double beam, please order TLSBB-ROOT.
- For lighting calculations utilising the double-headed Zelos Beam version, please use 2 x single Zelos Beam LDT files back-to-back.





