



## Zelos Beam

IP66

IK16 (150J)

Bollards

Class I

Community and Public

Custodial

Secure Healthcare

Transport

Zelos Beam is a vandal resistant bollard specifically designed for transport applications and community and public installations.

Standard Colours

Matt Black

Matt Silver

Matt Titanium

### 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 [TM66](#) and measure embodied carbon (kgCO<sub>2</sub>e) in accordance with [TM65.2](#).

**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. [All Colour Options 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)	CCT (K)
<b>Opal</b>				
TLSBB-1100N-X-MT	931	9.5	98	4000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	15	CRI>80	-	L70B10>110,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	D	404	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBB-1400N-X-MT	1154	13.4	86	4000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	15	CRI>80	-	L70B10>110,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	D	404	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBB-1100W-X-MT	884	9.5	93	3000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	15	CRI>80	-	L70B10>110,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	D	383	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBB-1400W-X-MT	1096	13.4	82	3000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	15	CRI>80	-	L70B10>110,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	D	383	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
<b>Clear, Extra Wide Optic</b>				
TLSBB-1000NXW-C-MT	603	8.4	72	4000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	15	CRI>80	-	L70B10>102,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	F	340	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			

ZelosBeam	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
<b>Clear, Extra Wide Optic</b>				
TLSBB-1500NXW-C-MT	1045	16.4	64	4000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	15	CRI>80	-	L <sub>70</sub> B <sub>10</sub> >102,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	F	340	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBB-1000WXW-C-MT	573	8.4	68	3000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	15	CRI>80	-	L <sub>70</sub> B <sub>10</sub> >102,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	F	323	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBB-1500WXW-C-MT	993	16.4	61	3000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	15	CRI>80	-	L <sub>70</sub> B <sub>10</sub> >102,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	F	323	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
<b>Opal, Double-headed</b>				
TLSBBD-1100N-X-MT	931/931	19	98	4000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	18.2	CRI>80	-	L <sub>70</sub> B <sub>10</sub> >110,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	D	404	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBBD-1400N-X-MT	1154/1154	26.8	86	4000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	18.2	CRI>80	-	L <sub>70</sub> B <sub>10</sub> >110,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	D	404	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			

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

ZelosBeam	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
<b>Clear, Extra Wide Optic, Double-headed</b>				
TLSBBD-1500XXW-C-MT	993/993	32.8	61	3000
	<b>Weight (kg)</b>	<b>CRI</b>	<b>High Temp (°C)</b>	<b>LED Lifetime</b>
	18.2	CRI>80	-	L70B50>102,000h
	<b>Driver lifetime (up to hours)</b>	<b>LED Energy Rating</b>	<b>Emergency Output (Lum/lm)</b>	<b>Nightlight Output (Lum/lm)</b>
	100,000	F	323	-
	<b>Dimensions</b>			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			

## ■ 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.

