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 Titanium | Matt Black | Matt Silver |

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.

Impact Resistance Rating: IK16 (150J). More information, CLICK HERE.

Ingress Protection Rating: IP66. More information, CLICK HERE.

Housing: Extruded aluminium body with die cast aluminium head.

Paint: Polyester powder coat. For all colours available, CLICK HERE.

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

Driver: Electronic control gear on removable tray with fused plug and socket connector block.

Mounting: Integral baseplate*.

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

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)
Opal				
TLSBB-1100N-X-MT	931	9.5	98	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	15	CRI>80	-	$L_{70}B_{10}$>110,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	D	404	-
	Dimensions			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBB-1400N-X-MT	1154	13.4	86	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	15	CRI>80	-	$L_{70}B_{10}$>110,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	D	404	-
	Dimensions			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBB-1100W-X-MT	884	9.5	93	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	15	CRI>80	-	$L_{70}B_{10}$>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)			
TLSBB-1400W-X-MT	1096	13.4	82	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	15	CRI>80	-	$L_{70}B_{10}$>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)			
Clear, Extra Wide Optic				
TLSBB-1000NXW-C-MT	603	8.4	72	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	15	CRI>80	-	$L_{70}B_{10}$>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)			

ZelosBeam	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
Clear, Extra Wide Optic				
TLSBB-1500NXW-C-MT	1045	16.4	64	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	15	CRI>80	-	$L_{70}B_{10}$>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)			
TLSBB-1000WXW-C-MT	573	8.4	68	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	15	CRI>80	-	$L_{70}B_{10}$>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), 315mm x 335mm x 1000mm (Double head)			
TLSBB-1500WXW-C-MT	993	16.4	61	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	15	CRI>80	-	$L_{70}B_{10}$>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), 315mm x 335mm x 1000mm (Double head)			
Opal, Double-headed				
TLSBBD-1100N-X-MT	931/931	19	98	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	18.2	CRI>80	-	$L_{70}B_{10}$>110,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	D	404	-
	Dimensions			
	315mm x 230mm x 1000mm (Single head), 315mm x 335mm x 1000mm (Double head)			
TLSBBD-1400N-X-MT	1154/1154	26.8	86	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	18.2	CRI>80	-	$L_{70}B_{10}$>110,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	D	404	-
	Dimensions			
	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)
Opal, Double-headed				
TLSBBD-1100W-X-MT	884/884	19	93	3000
Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**	
18.2	CRI>80	-	$L_{70}B_{10}$>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	-	$L_{70}B_{10}$>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)				
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	-	$L_{70}B_{10}$>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-1500NXW-C-MT	1045/1045	32.8	64	4000
Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**	
18.2	CRI>80	-	$L_{70}B_{10}$>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	-	$L_{70}B_{10}$>102,000h	
Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**	
100,000	F	323	-	
Dimensions				
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ZelosBeam	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
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	-	$L_{70}B_{10}>102,000h$
	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), 315mm x 335mm x 1000mm (Double head)			

◾ Fitting Options

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

• 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.