Zelos Bollard

| IP66 | IK16 (150J) | | Bollards | Class I |

Community and Public | Custodial | Secure Healthcare | Transport

Zelos Bollard 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 Bollard'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 Bollard 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 car parks, both covered and open. Secure Health applications include exercise and activity areas.

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 e) in accordance with TM65.2.

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

Ingress Protection Rating: IP66. What is IP Rating?

Housing: 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

ZelosBollard	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
Opal				
TLSBP-1100N-X-MT	931	9.5	98	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	11.4	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
TLSBP-1400N-X-MT	1154	13.4	86	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	11.4	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
TLSBP-1100W-X-MT	884	9.5	93	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	11.4	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
TLSBP-1400W-X-MT	1096	13.4	82	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	11.4	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
Clear, Extra Wide Optic				
TLSBP-1000NXW-C-MT	603	8.4	72	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	11.4	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			

ZelosBollard	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
Clear, Extra Wide Optic				
TLSBP-1500NXW-C-MT	1045	16.4	64	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	11.4	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
TLSBP-1000WXW-C-MT	573	8.4	68	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	11.4	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
TLSBP-1500WXW-C-MT	993	16.4	61	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	11.4	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
Opal, Double-headed				
TLSBPD-1100N-X-MT	931/931	19	98	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14.6	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
TLSBPD-1400N-X-MT	1154/1154	26.8	86	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14.6	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			
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ZelosBollard	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
Opal, Double-headed				
TLSBPD-1100W-X-MT	884/884	19	93	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14.6	CRI>80	-	$L_{70}B_{10}$>110,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
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	Dimensions			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
TLSBPD-1400W-X-MT	1096/1096	26.8	82	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14.6	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
Clear, Extra Wide Optic, Double-headed				
TLSBPD-1000NXW-C-MT	603/603	16.8	72	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14.6	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			
	210mm x 305mm x 1000mm (Single head), 325mm x 305mm x 1000mm (Double head)			
TLSBPD-1500NXW-C-MT	1045/1045	32.8	64	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14.6	CRI>80	-	$L_{70}B_{10}$>102,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
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TLSBPD-1000WXW-C-MT	573/573	16.8	68	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
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Clear, Extra Wide Optic, Double-headed				
TLSBPD-1500WXW-C-MT	993/993	32.8	61	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14.6	CRI>80	-	$L_{70}B_{10}$>102,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
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	Dimensions			
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Fitting Options

Photo Electronic Cell	-PC
DALI-2 Dimming / Monitoring	-DA
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

• For paint colour options, please replace -MT with required paint code.

• For -PC option, Zelos Bollard will be IP65 because the photocell lens is rated to IP65.

• For Root mounting bracket for single bollard, please order TLSBB-ROOT.

• For Root mounting bracket for double bollard, please order TLSBPD-ROOT.

• For lighting calculations utilising the double-headed Zelos Bollard version, please use 2 x single Zelos Bollard LDT files back-to-back.