



ZELLE

Lighting System

Evolve with beautiful flexibility

ZELLE Lighting System

Direct

The Zelle Lighting System bewitches your design with low glare optics, and interchangeable attachments in an easy magnetic track allowing for true freedom in flexibility.

Physical

Dimensions

68mm W x 100mm H

Weight

4.5 kg/m

Finish Options

Body

Powdercoat Black / White / Silver

Wood Grain and Concrete

Other powdercoat colours available upon request

Track & Track Insert

Powdercoat Black / White

Mounting Options

Wire Suspended

Rod Suspended

Surface Mounted

Wall Mounted

Ambient Operating Temperature

T_a 0° to 35° C



Electrical

Maximum Power Load

75 W/m

Dimming Options

DALI-2

Track Rating

48V SELV

Track Specifications

Track uses magnetic fixing to hold attachments.

Ensure compatibility before installing.

Available in 1 metre increments.

Photometrics

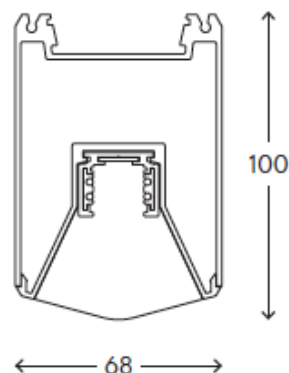
Luminaire Options

Various attachments available

Macro Spot [page 5](#)

Zoom Spot [page 6](#)

Linear Module [page 7](#)



Optical and Electrical values are subject to a tolerance of +/- 10%.

Lumen Output values are "delivered" lumens, which take into consideration losses in the diffuser. These values are more relevant than source lumens, as luminaire efficiency is accounted for. Values given above are based on 4000K and T_p of 65°C

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ZELLE Lighting System

Indirect

The Zelle Lighting System bewitches your design with low glare optics, and interchangeable attachments in an easy magnetic track allowing for true freedom in flexibility.

Physical

Dimensions
68mm W x 100mm H

Weight
4.5 kg/m

Finish Options
Body
Powdercoat Black / White / Silver
Wood Grain and Concrete
Other powdercoat colours available upon request
Track & Track Insert
Powdercoat Black / White

Mounting Options
Wire Suspended
Rod Suspended
Wall Mounted

Ambient Operating Temperature
 T_a 0° to 35° C



Electrical

Control Gear
Integrated

Power Consumption Range
Indirect
9.4 to 16.6 W/m

Luminous Efficacy indirect
Up to 108 Lm/W @ 1800 lm/m, 16.6 W/m, CRI 90+, T_c 65°C, Batwing-Up

Lumen Maintenance
72,000 hours (L80/B10 at T_a 25°C)

Dimming Options
DALI-2

Photometrics

Luminaire Options
Various attachments available [pgs 5-8](#)

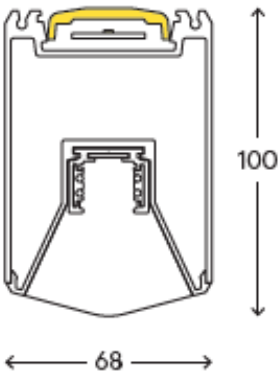
Flux Range
Indirect
1050 to 1800 Lm/m @ 4000K, CRI 90+,
 T_o max 45°C, Batwing-Up

Distributions *refer to datasheet pg 14*
Batwing-Up recommended
Narrow-Up for high ceilings
Asymmetric-Up

Light Source
LED Boards

Correlated Colour Temperature
2700K/ 3000K/ 4000K
Tuneable (2700 - 6500K)
RGB, RGBW Tape available

Colour Rendering Index
90+



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ZELLE Lighting System

Recessed

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Physical

Dimensions

74mm W x 52mm H

Weight

2.0 kg/m

Finish Options

Track & Track Insert

Powdercoat Black / White

Mounting Options

Recessed

Suitable surface material thickness 8 - 22mm

Ambient Operating Temperature

T_a 0° to 35° C



Electrical

Maximum Power Load

75 W/m

Dimming Options

DALI-2

Track Rating

48V SELV

Track Specifications

Track uses magnetic fixing to hold attachments.

Ensure compatibility before installing.

Available in 1 metre increments.

Photometrics

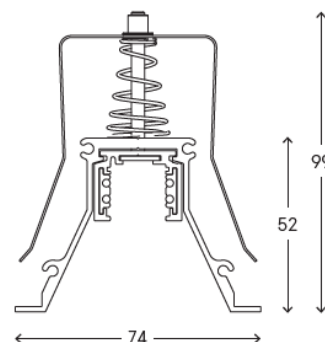
Luminaire Options

Various attachments available

Macro Spot [page 5](#)

Zoom Spot [page 6](#)

Linear Module [page 7](#)



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ZELLE Lighting System

Macro Spot

The Zelle Lighting System bewitches your design with low glare optics, and interchangeable attachments in an easy magnetic track allowing for true freedom in flexibility.

Physical

Dimensions

120mm L x Ø 75mm

Finish Options

Adaptor

Polycarbonate Black

Body

Powdercoat Black / White

Mounting Options

Track Mounting (Magnetic 48V SELV)

Adjustments

Tilt 110°

Rotation 370°

Electrical

Control Gear

Integrated

Power Consumption Range

13W to 21W

Lumen Maintenance

L80 B10 > 72,000 hrs

Dimming Options

DALI-2

Photometrics

Flux Range

1000 to 1500 Lm @ 4000K, CRI 90+,

T_a max 35°C

Distributions

Optics

Medium 38°

Light Source

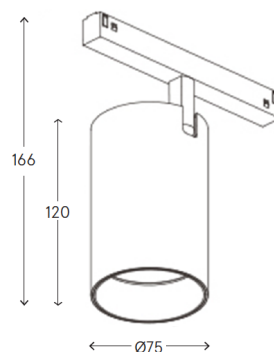
BridgeLux COB

Correlated Colour Temperature

3000 K/ 4000K

Colour Rendering Index

90+



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ZELLE Lighting System

Zoom Spot

The Zelle Lighting System bewitches your design with low glare optics, and interchangeable attachments in an easy magnetic track allowing for true freedom in flexibility.

Physical

Dimensions

195mm L x Ø 60mm

Finish Options

Adaptor
Polycarbonate Black
Body
Powdercoat Black

Electrical

Control Gear

Integrated

Power Consumption Range

13W to 18W

Lumen Maintenance

L80 B10 > 72,000 hrs

Dimming Options

DALI-2

Mounting Options

Track Mounting (Magnetic 48V SELV)

Adjustments

Tilt 100°
Rotation 370°
Zoom from 8° to 45°

Photometrics

Flux Range

530 to 680 Lm @ 4000K, CRI 90+,
 T_a max 35°C

Distributions

Optics
Adjustable beam angle
8° (narrow) to 45° (Wide)

Light Source

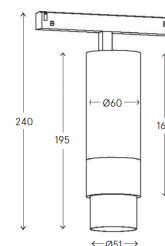
BridgeLux COB

Correlated Colour Temperature

3000 K/ 4000 K

Colour Rendering Index

90+



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ZELLE Lighting System

Linear Modules

The Zelle Lighting System bewitches your design with low glare optics, and interchangeable attachments in an easy magnetic track allowing for true freedom in flexibility.

Physical

Dimensions

566mm L x 52mm W Linear566
1126mm L x 52mm W Linear1126

Mounting Options

Track Mounting (Magnetic 48V SELV)

Finish Options

Adaptor

Polycarbonate Black / White

Body

Anodised Black

Powdercoat White

Electrical

Control Gear

Integrated

Power Consumption Range

13.4 to 24.4 W Linear566

26.9 to 48.8 W Linear1126

Lumen Maintenance

72,000 hours (L80/B10 at T_a 25°C)

Dimming Options

DALI-2

Photometrics

Flux Range

1200 to 2000 Lm Linear566 @ 4000K, CRI 90+,

T_a max 35°C

2400 to 4000 Lm Linear1126 @ 4000K, CRI 90+,

T_a max 35°C

For Lumen packages, refer to pg 10

Distributions *refer to datasheet pg 10*

Smooth Glare Control

Light Source

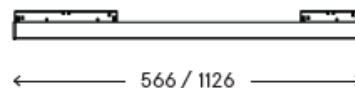
mLight Custom LED COB

Correlated Colour Temperature

2700K/ 3000K/ 4000K

Colour Rendering Index

90+



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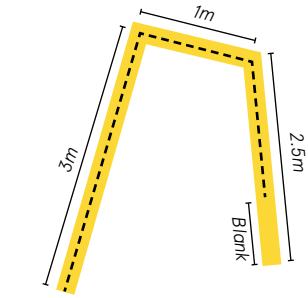
Options

Joiner Options

2, 3 and 4 way custom joins available

Profile and Track increment of 1m only

Check with Sales Consultant for complex mitre joins



— : Profile
- - - : Track Insert

Additional Info

TM30 refer to Figure 1

R_t 92
 R_g 100

IES TM-30-15 provides further metrics to assist in tailoring your lighting solution. The measured values quantify colour rendering in three main areas; observation (colour fidelity (R_t)), intensity (colour gamut (R_g)) and shift in intensity (colour vector graphics).

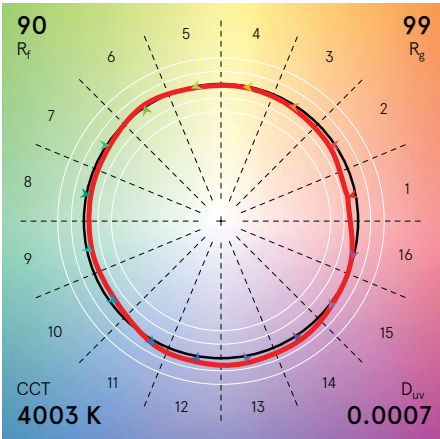


Figure 1 - Colour Vector Graphics for 4000K, 90CRI

MacAdam Ellipse refer to Figure 2

3SDCM

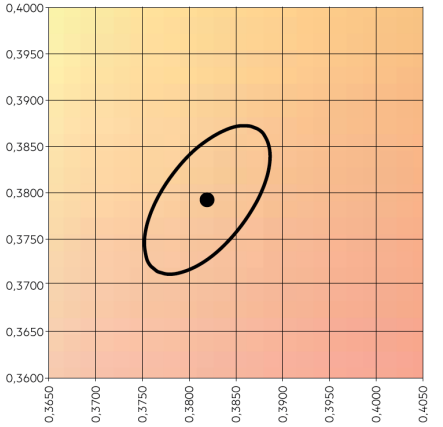


Figure 2 -4000K LED Boards

Warranty

Product

5 Years

Standard T&Cs apply

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Configurations



Zelle Macro Spots with Optics



Beam Angle
Medium 38°

Flux Range
1000 to 1500 Lm per spot
Typical Lumen Packages
1000lm, 13W.
1500lm, 21W

Power Consumption Range
13W to 21W per spot



Zelle Zoom Spots with Optics -
Narrow to Wide Beam Angle



Beam Angle
Adjustable
Narrow 8° to Wide 45°

Flux Range
530 to 680 Lm per spot
Typical Lumen Packages
530lm, 13W.
680lm, 18W.

Power Consumption Range
13W to 18W per spot



Zelle Linear

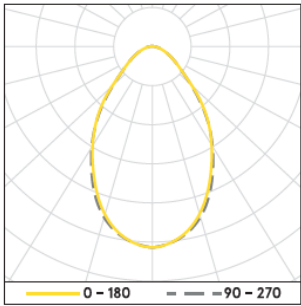
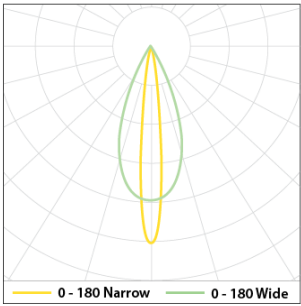
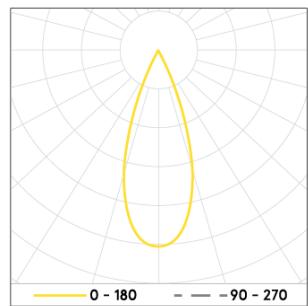


Flux Range
1200 to 2000 Lm Linear566
Typical Lumen Packages
1200 lm, 13.4 W
1400 lm, 16.1 W
1600 lm, 18.7 W
1800 lm, 21.5 W

2400 to 4000 Lm Linear1126
Typical Lumen Packages
2400 lm, 26.9 W
2800 lm, 32.3 W
3200 lm, 37.4 W
3600 lm, 43.0 W
4000 lm, 48.8 W

Power Consumption Range
13.4 to 48.8 W

Luminous Efficacy
Up to 89 Lm/W
1200 lm, 13.4 W, CRI 90+



IES files available online
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Configurations



Zelle Zoom Spots with Optics -
Narrow to Wide



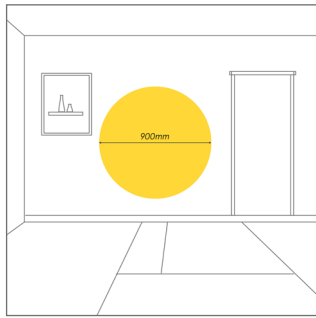
Zelle Zoom Spots with Optics 8°
Beam Dia. 400mm



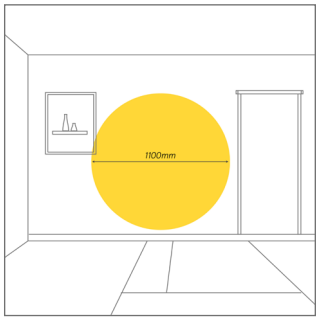
Zelle Zoom Spots with Optics 10°
Beam Dia. 450mm



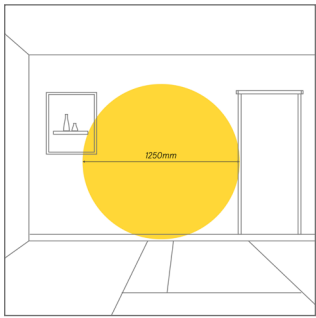
Zelle Zoom Spots with Optics 15°
Beam Dia. 600mm



Zelle Zoom Spots with Optics 24°
Beam Dia. 900mm



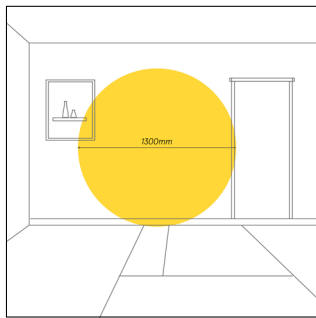
Zelle Zoom Spots with Optics 36°
Beam Dia. 1100mm



Zelle Zoom Spots with Optics 45°
Beam Dia. 1250mm



Zelle Macro Spots with Optics -
Medium



Zelle Macro Spots with Optics 38°
Beam Dia. 1300mm



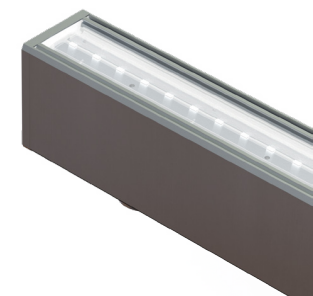
Low Glare



Mitre Joins
available

IES files available online
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Configurations



Zelle with Batwing-Up



Flux Range

Indirect
1050 to 1800 Lm/m
Typical Lumen Packages
1300 lm/m, 11.9 W/m
1560 lm/m, 14.3 W/m
Other lumen packages available upon request

Power Consumption Range

Indirect
9.4 to 16.6 W/m

Luminous Efficacy

Up to 112 Lm/W
1050 lm/m, 9.4 W/m, CRI 90+, Tc 65°C



Zelle with Narrow-Up



Flux Range

Indirect
1090 to 1880 Lm/m
Typical Lumen Packages
1360 lm/m, 11.9 W/m
1630 lm/m, 14.3 W/m
Other lumen packages available upon request

Power Consumption Range

Indirect
9.4 to 16.6 W/m

Luminous Efficacy

Up to 116 Lm/W
1090 lm/m, 9.4 W/m, CRI 90+, Tc 65°C



Zelle with Asymmetric-Up



Flux Range

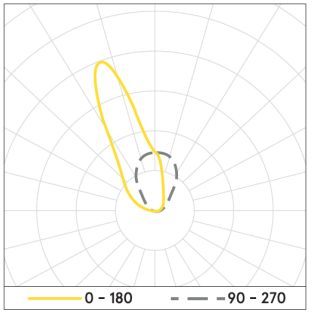
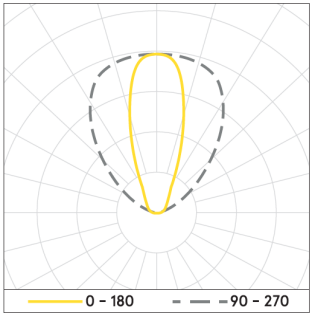
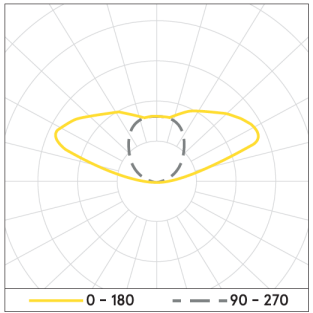
Indirect
1140 to 1970 Lm/m
Typical Lumen Packages
1420 lm/m, 11.9 W/m
1710 lm/m, 14.3 W/m
Other lumen packages available upon request

Power Consumption Range

Indirect
9.4 to 16.6 W/m

Luminous Efficacy

Up to 121 Lm/W
1140 lm/m, 9.4 W/m, CRI 90+, Tc 65°C



Low Glare



Mitre Joins
available

IES files available online
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ZELLE Lighting System

Body

Specification Statement

Use the below statement for your schedules, specifications, or quotes.

Guide: Copy and paste into your document.
Remove unwanted options in **Green**.
Add custom data points where noted in **Blue**.

ZELLE Body with 5 Year Product Warranty, as manufactured by mLight Pty Ltd. Product complete with integrated DALI-2 control gear, supports for **(Wire Suspended / Rod Suspended / Surface Mounted / Wall Mounted / Recessed)**. Dimensions 68 mm wide x 100 mm tall x **(xxxx)** mm long, including endcaps. Finished in **(Black PC / White PC / Silver PC / Decorative Coating / Custom Colour)** for the body and **(Black PC / White PC)**, 48V SELV rated track, **Indirect Light with (Batwing-Up, Narrow-Up, Asymmetric-Up) distribution, (xxxx) Lm/m, (xxxx) W/m**, L80 F10 72,000 hrs at Ta 25°C. Installation as per MLight recommendations.

Coding System

Use the below to code your **Zelle body** for ease of quoting and discussing with our team.
Start with **ZLBD** and then follow on with additional codes.

EG: ZLBD-RS-B-B-B-UP-1020-9-30

UP INDIRECT													
Mounting	Code	Body Finish	Code	Track Finish	Code	Indirect Distribution	Code	Indirect Lumen Package	Code	CRI	Code	CCT / Light	Code
Rod Suspended	RS	Black PC	B	Black PC	B	Batwing-Up	B-UP	1020	1020	90+	9	2700 K	27
Wire Suspended	WS	White PC	W	White PC	W	Narrow-Up	N-UP	2060	2060			3000 K	30
Surface Mounted	SM	Silver PC	S			Asymmetric-Up	A-UP					4000 K	40
Wall Mounted	WM	Decorative Coating	D									Tuneable	TU
Recessed	RM	Custom Colour	C									RGB	RGB

Use the below to code your **Zelle module direct** for ease of quoting and discussing with our team.
Start with the spot code and then follow on with additional codes.

EG: ZLSNADJ-B-BT-9-30-W-270-DALI-2

Spot	Code	Spot Finish	Code	CRI	Code	CCT / Light	Code	Direct Distribution	Direct Lumen Package	Dimming Option	Code
Macro Spot	ZLMAC	Black	B	90+	9	3000K	30	As per Datasheet		DALI-2	DA2
						4000K	40				
Zoom Spot	ZLZOOM	Black	B	90+	9	3000K	30			DALI-2	DA2
						4000K	40				
566mm Linear	ZLLIN566	Black		90+	9	2700K	27			DALI-2	DA2
1126mm Linear	ZLLIN1126	White				3000K	30				
						4000K	40				

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INTEGRATE LIGHT WITH LIFE, BEAUTIFULLY
