

> DATASHEET

ROADWAY - FTS

FTS.3.LA103.FW.C9

SALES CONTACT: Dan Jakeman
PROJECT: P173-1314 - Rivermead Leisure Centre
ITEM REF: A1



Product image may not represent the final configuration stated above.



PRODUCT SPECIFICATION

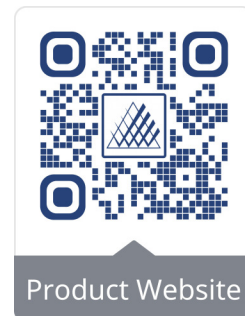


FTS HOLOPHANE WEBSITE

FTS.3.LA103.FW.C9

Holophane Factor Small luminaire with an IP66 LED light engine module comprising and die-cast aluminium finned body that conforms to EN1706 AC-46500. Tool-less access via trigger latch hinging door to the driver and electrical termination compartment. This specific SKU includes:

- Series 3
- LED light engine producing c.10,000 lm with a nominal 3000°K colour temperature
- Forward throw light distribution
- Metallic Silver (RAL9006)



FTSB.6.1S.SA42.LMZ.GV9

Holophane tubular base compartment column for use with Factor Small Luminaires. 6 metre, Single head short bracket (300mm outreach), Side arm bracket suitable for 42mm entry. For light & medium area wind zones (compliant to EN40).

- Bracket galvanised and painted metallic silver (RAL9006)
- Direct embedment

PERFORMANCE DATA

Drive Current: 1225mA

Lumens: 8,978

CCT: 3000K

CRI: 70

Inrush: 43A - 0.26ms

Power: 78W

Fitting Current: 0.35A



7 Kg

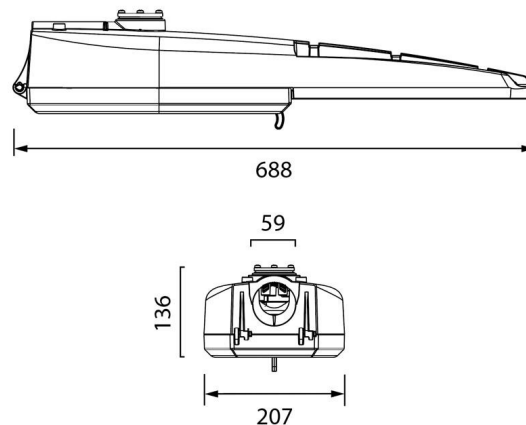


0.071 M₂



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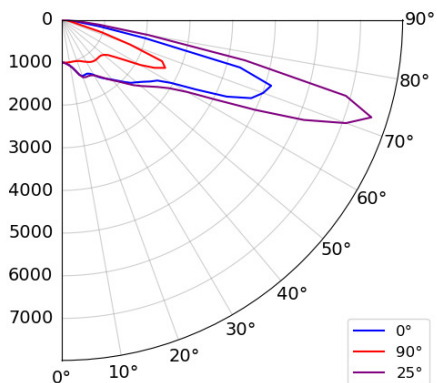
DIMENSIONS



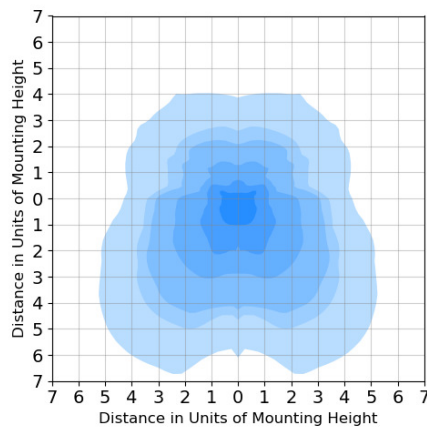
PHOTOMETRY



Polar Plot

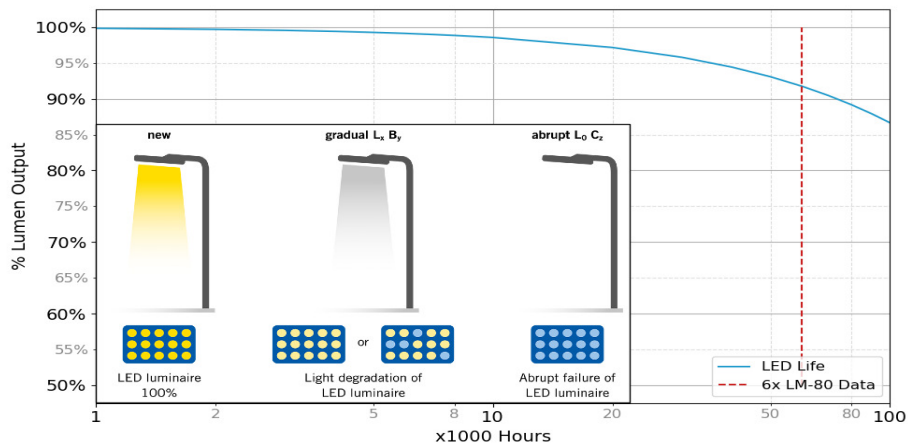


Isoilluminance Plot



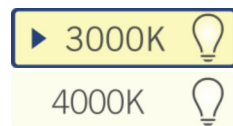
IES File: FTS.3.LA103.FW

LLMF GRAPH



For reference purposes, the graph extrapolates beyond the recommend 6x LM-80 data in TM-21, which our calculations are based on. Graph shows data for LxxB50.

COLOUR TEMPERATURES



COLOURS

Selected Colour

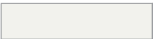
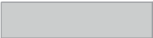
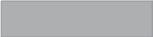
	C9	Metallic Silver (RAL9006)
--	-----------	---------------------------

Custom Colour

	RAL***	Customer specified colour
--	---------------	---------------------------

*Choosing a custom colour may increase the cost and lead time.

Available Colours

	C1	Smooth White (RAL9016)
	C4	Smooth Graphite (RAL7011)
	C6	Smooth Grey (RAL7035)
	C7	Textured Black (RAL9005)
	C9	Metallic Silver (RAL9006)

Lumen data is considered to be representative of the configuration shown, and may vary, with a tolerance on flux of +/- 7% (typical of LED manufacturer's data) and luminaire power of +/- 5%.

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> DATASHEET

ROADWAY - FTS

FTS.3.LA103.NR.C9

SALES CONTACT: Dan Jakeman
PROJECT: P173-1314 - Rivermead Leisure Centre
ITEM REF: A2



Product image may not represent the final configuration stated above.



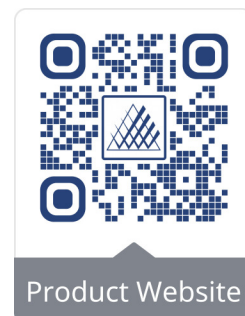
PRODUCT SPECIFICATION

 [FTS HOLOPHANE WEBSITE](#)

FTS.3.LA103.NR.C9

Holophane Factor Small luminaire with an IP66 LED light engine module comprising and die-cast aluminium finned body that conforms to EN1706 AC-46500. Tool-less access via trigger latch hinging door to the driver and electrical termination compartment. This specific SKU includes:

- Series 3
- LED light engine producing c.10,000 lm with a nominal 3000°K colour temperature
- Long and Narrow light distribution
- Metallic Silver (RAL9006)



FTSB.6.1S.SA42.LMZ.GV9

Holophane tubular base compartment column for use with Factor Small Luminaires. 6 metre, Single head short bracket (300mm outreach), Side arm bracket suitable for 42mm entry. For light & medium area wind zones (compliant to EN40).

- Bracket galvanised and painted metallic silver (RAL9006)
- Direct embedment

PERFORMANCE DATA

Drive Current: 1225mA

Lumens: 8,794

CCT: 3000K

CRI: 70

Inrush: 43A - 0.26ms

Power: 78W

Fitting Current: 0.35A



7 Kg

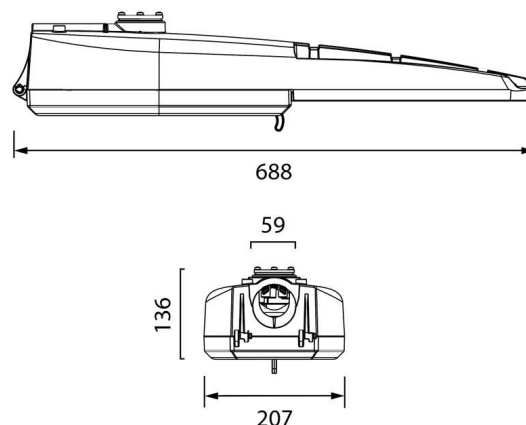


0.071 M₂



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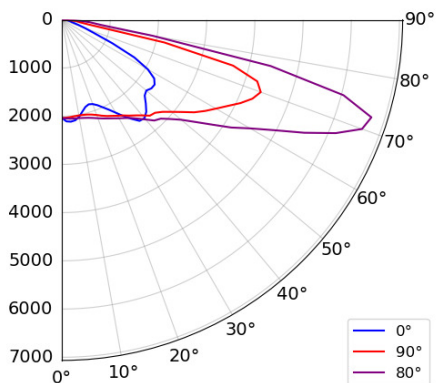
DIMENSIONS



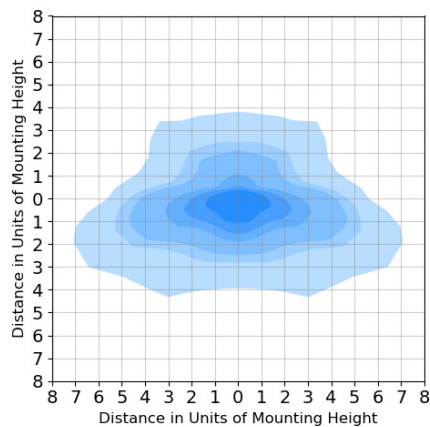
PHOTOMETRY



Polar Plot

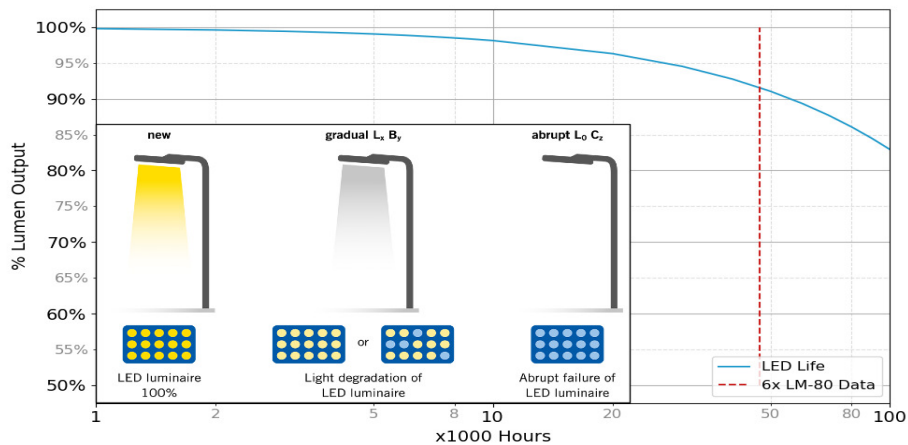


Isoilluminance Plot



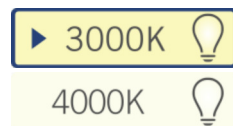
IES File: FTS.3.LA103.NR

LLMF GRAPH



For reference purposes, the graph extrapolates beyond the recommend 6x LM-80 data in TM-21, which our calculations are based on. Graph shows data for LxxB50.

COLOUR TEMPERATURES



COLOURS

Selected Colour

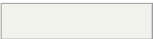
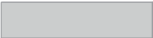
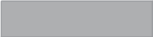
	C9	Metallic Silver (RAL9006)
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Custom Colour

	RAL***	Customer specified colour
--	---------------	---------------------------

*Choosing a custom colour may increase the cost and lead time.

Available Colours

	C1	Smooth White (RAL9016)
	C4	Smooth Graphite (RAL7011)
	C6	Smooth Grey (RAL7035)
	C7	Textured Black (RAL9005)
	C9	Metallic Silver (RAL9006)

Lumen data is considered to be representative of the configuration shown, and may vary, with a tolerance on flux of +/- 7% (typical of LED manufacturer's data) and luminaire power of +/- 5%.

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> DATASHEET

ROADWAY - FTS

FTS.3.LA103.SY.C9

SALES CONTACT: Dan Jakeman
PROJECT: P173-1314 - Rivermead Leisure Centre
ITEM REF: A3



Product image may not represent the final configuration stated above.



PRODUCT SPECIFICATION

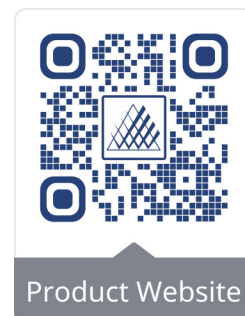


FTS HOLOPHANE WEBSITE

FTS.3.LA103.SY.C9

Holophane Factor Small luminaire with an IP66 LED light engine module comprising and die-cast aluminium finned body that conforms to EN1706 AC-46500. Tool-less access via trigger latch hinging door to the driver and electrical termination compartment. This specific SKU includes:

- Series 3
- LED light engine producing c.10,000 lm with a nominal 3000°K colour temperature
- Symmetrical light distribution
- Metallic Silver (RAL9006)



FTSB.6.1S.SA42.LMZ.GV9

Holophane tubular base compartment column for use with Factor Small Luminaires. 6 metre, Single head short bracket (300mm outreach), Side arm bracket suitable for 42mm entry. For light & medium area wind zones (compliant to EN40).

- Bracket galvanised and painted metallic silver (RAL9006)
- Direct embedment

PERFORMANCE DATA

Drive Current: 1225mA

Lumens: 9,190

CCT: 3000K

CRI: 70

Inrush: 43A - 0.26ms

Power: 78W

Fitting Current: 0.35A



7 Kg

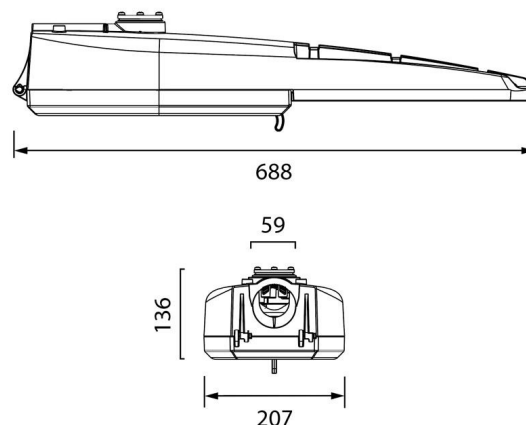


0.071 M₂



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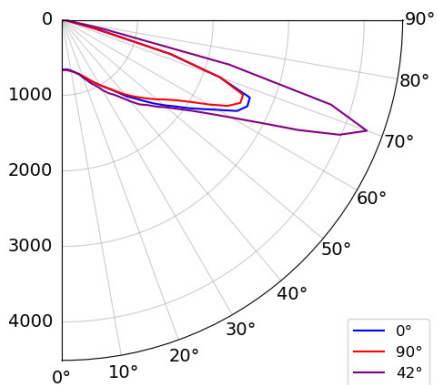
DIMENSIONS



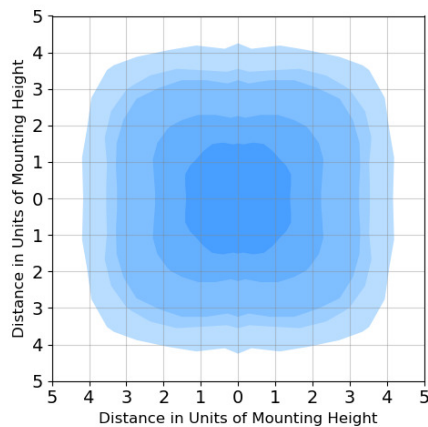
PHOTOMETRY



Polar Plot

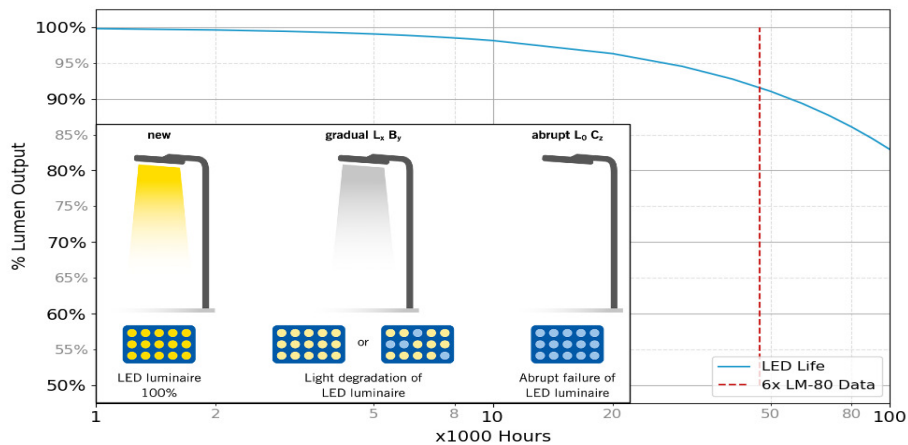


Isoilluminance Plot



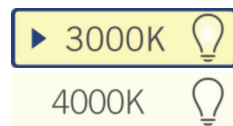
IES File: FTS.3.LA103.SY

LLMF GRAPH



For reference purposes, the graph extrapolates beyond the recommend 6x LM-80 data in TM-21, which our calculations are based on. Graph shows data for LxxB50.

COLOUR TEMPERATURES



COLOURS

Selected Colour

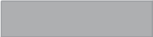
	C9	Metallic Silver (RAL9006)
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Custom Colour

	RAL***	Customer specified colour
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*Choosing a custom colour may increase the cost and lead time.

Available Colours

	C1	Smooth White (RAL9016)
	C4	Smooth Graphite (RAL7011)
	C6	Smooth Grey (RAL7035)
	C7	Textured Black (RAL9005)
	C9	Metallic Silver (RAL9006)

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> DATASHEET

ROADWAY - FTS

FTS.3.LA103.AY.C9

SALES CONTACT: Dan Jakeman
PROJECT: P173-1314 - Rivermead Leisure Centre
ITEM REF: A4



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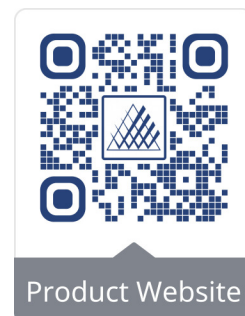
PRODUCT SPECIFICATION

 [FTS HOLOPHANE WEBSITE](#)

FTS.3.LA103.AY.C9

Holophane Factor Small luminaire with an IP66 LED light engine module comprising and die-cast aluminium finned body that conforms to EN1706 AC-46500. Tool-less access via trigger latch hinging door to the driver and electrical termination compartment. This specific SKU includes:

- Series 3
- LED light engine producing c.10,000 lm with a nominal 3000°K colour temperature
- Asymmetric light distribution
- Metallic Silver (RAL9006)



FTSB.6.1S.SA42.LMZ.GV9

Holophane tubular base compartment column for use with Factor Small Luminaires. 6 metre, Single head short bracket (300mm outreach), Side arm bracket suitable for 42mm entry. For light & medium area wind zones (compliant to EN40).

- Bracket galvanised and painted metallic silver (RAL9006)
- Direct embedment

PERFORMANCE DATA

Drive Current: 1225mA

Lumens: 9,033

CCT: 3000K

CRI: 70

Inrush: 43A - 0.26ms

Power: 78W

Fitting Current: 0.35A



7 Kg

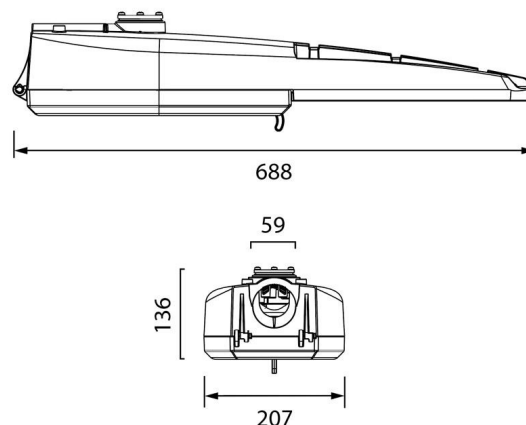


0.071 M₂



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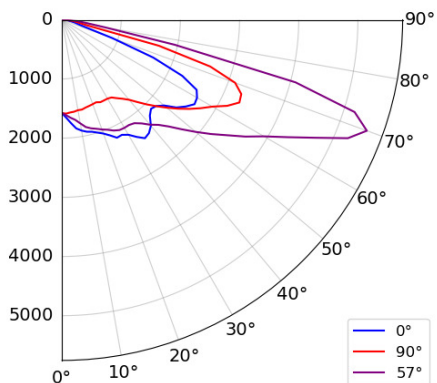
DIMENSIONS



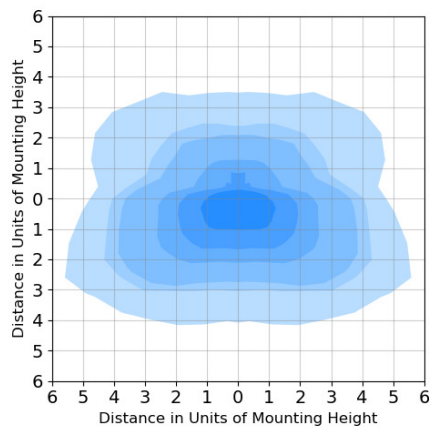
PHOTOMETRY



Polar Plot

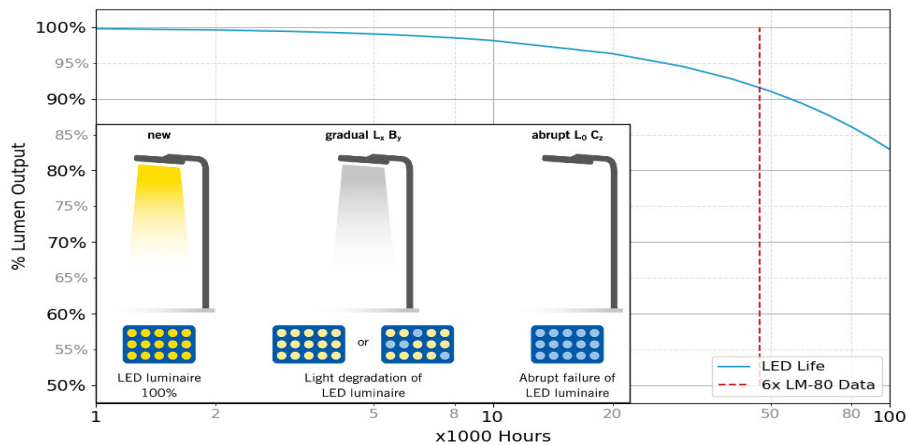


Isoilluminance Plot



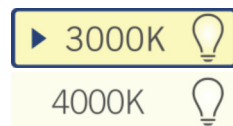
IES File: FTS.3.LA103.AY

LLMF GRAPH



For reference purposes, the graph extrapolates beyond the recommend 6x LM-80 data in TM-21, which our calculations are based on. Graph shows data for LxxB50.

COLOUR TEMPERATURES



COLOURS

Selected Colour

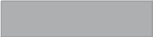
	C9	Metallic Silver (RAL9006)
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Custom Colour

	RAL***	Customer specified colour
--	---------------	---------------------------

*Choosing a custom colour may increase the cost and lead time.

Available Colours

	C1	Smooth White (RAL9016)
	C4	Smooth Graphite (RAL7011)
	C6	Smooth Grey (RAL7035)
	C7	Textured Black (RAL9005)
	C9	Metallic Silver (RAL9006)

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> DATASHEET

EXTERNAL - DEW

DEW.LAO13.CGL.NR.C9

SALES CONTACT: Dan Jakeman
PROJECT: P173-1314 - Rivermead Leisure Centre
ITEM REF: C



Product image may not represent the final configuration stated above.



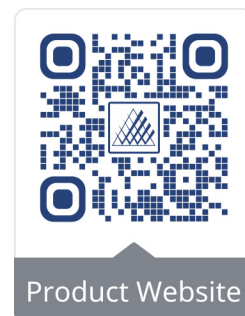
PRODUCT SPECIFICATION

www.dew-holophane.com

Holophane Denver Elite Wall luminaire. Tri-lobular wall mounted luminaire manufactured from LM6 marine grade die-cast aluminium body, with integrated thermal management design. Optical arrangement with aluminium internal reflector and PrismaLED prismatic soda lime or clear glass lens dependent on optical distribution. Sealed to IP65 and suitable for wall mounting with rear, top, side and through wiring options via 20mm Ø knockout cable entry/exit points.

This specific SKU includes:

- LED light engine producing c.1,000 lm with a nominal 3000°K colour temperature
- Clear glass lens
- Long and Narrow light distribution
- Metallic Silver (RAL9006)



PERFORMANCE DATA

Drive Current: 350mA

Lumens: 1,142

CCT: 3000K

CRI: 70

Inrush: 15A - 0.36ms

Power: 12W

Fitting Current: 0.05A

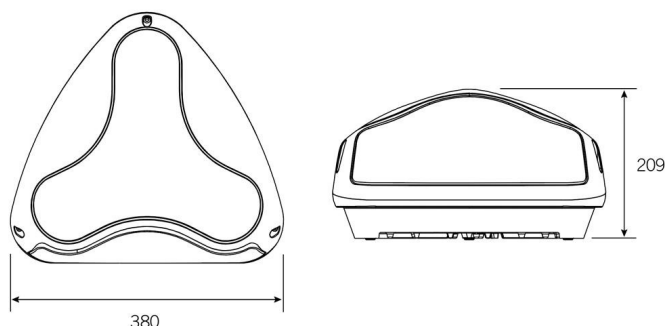


6.4 Kg



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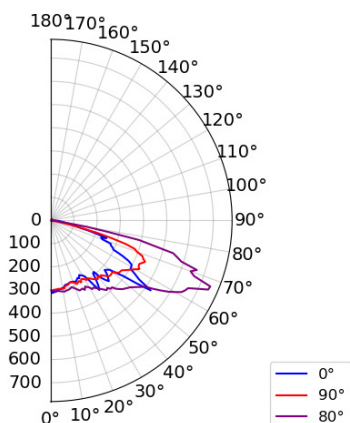
DIMENSIONS



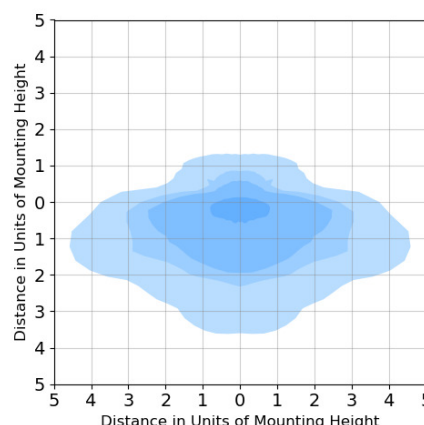
PHOTOMETRY

[IES FILE](#)

Polar Plot

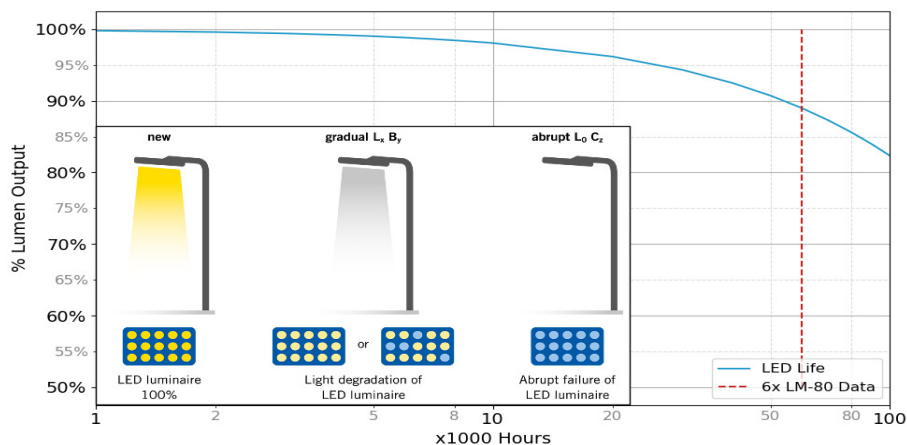


Isoilluminaance Plot



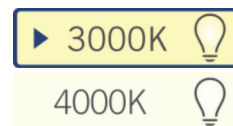
IES File: DEW.LA013.NR.CGL

LLMF GRAPH



For reference purposes, the graph extrapolates beyond the recommend 6x LM-80 data in TM-21, which our calculations are based on. Graph shows data for LxxB50.

COLOUR TEMPERATURES



COLOURS

Selected Colour

C9	Metallic Silver (RAL9006)
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Custom Colour

RAL****	Customer specified colour
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*Choosing a custom colour may increase the cost and lead time.

Available Colours

C1	Smooth White (RAL9016)
C4	Smooth Graphite (RAL7011)
C6	Smooth Grey (RAL7035)
C7	Textured Black (RAL9005)
C9	Metallic Silver (RAL9006)

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> DATASHEET

EXTERNAL - DEB

DEB.L014.PAY.DO.H100.C9.MCB

SALES CONTACT: Dan Jakeman
PROJECT: P173-1314 - Rivermead Leisure Centre
ITEM REF: B



Product image may not represent the final configuration stated above.



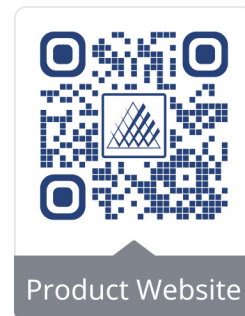
PRODUCT SPECIFICATION

[WWW.DEB.HOLOPHANE.WEBSITE](#)

Holophane Denver Elite bollard luminaire. Tri-lobular extruded marine grade aluminium body with die-cast aluminium top and base secured by stainless steel nuts and sealed to IP65. The optical arrangement with PrismaLED lenses and unique patented decorative gasket highlight feature. Suitable for flange base mounting (bolts available as an accessory).

This specific SKU includes:

- LED light engine producing c.1,000 lm with a nominal 4000K colour temperature
- Asymmetric distribution
- Double sided
- 1 metre high
- Metallic Silver (RAL9006)
- Mini circuit breaker



PERFORMANCE DATA

Drive Current:	350mA
Lumens:	815
CCT:	4000K
CRI:	70
Inrush:	20A - 0.05ms
Power:	12W
Fitting Current:	0.05A

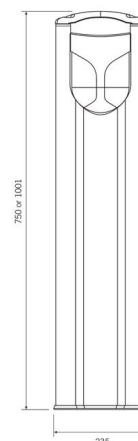


19.5 Kg



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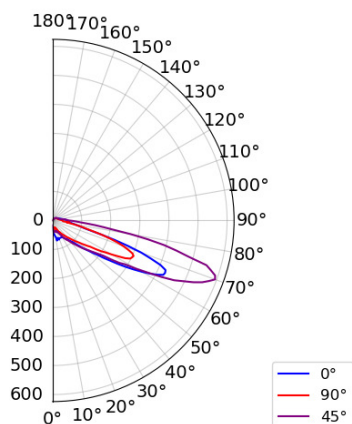
DIMENSIONS



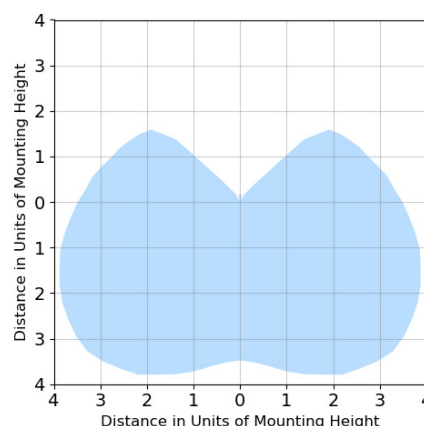
PHOTOMETRY

[↓ IES FILE](#)

Polar Plot

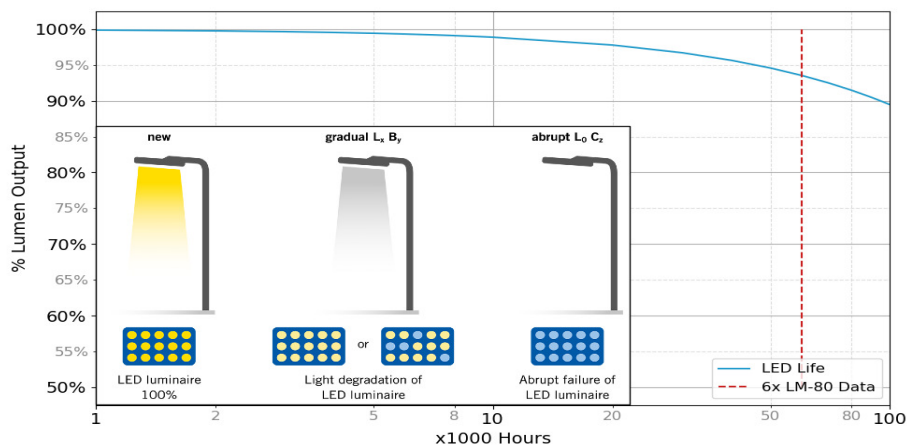


Isoilluminance Plot



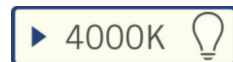
IES File: DEB.L014.PAY.DO

LLMF GRAPH



For reference purposes, the graph extrapolates beyond the recommend 6x LM-80 data in TM-21, which our calculations are based on. Graph shows data for LxxB50.

COLOUR TEMPERATURES



COLOURS

Selected Colour

C9	Metallic Silver (RAL9006)
-----------	---------------------------

Custom Colour

RAL****	Customer specified colour
----------------	---------------------------

*Choosing a custom colour may increase the cost and lead time.

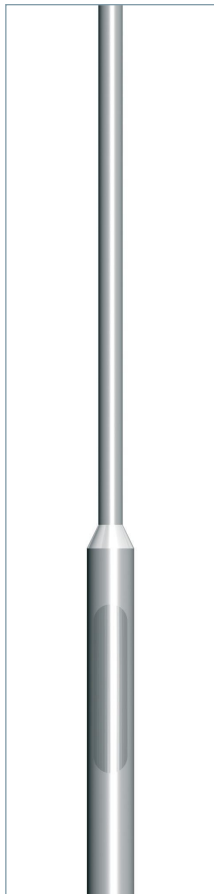
Available Colours

C1	Smooth White (RAL9016)
C4	Smooth Graphite (RAL7011)
C6	Smooth Grey (RAL7035)
C7	Textured Black (RAL9005)
C9	Metallic Silver (RAL9006)

Lumen data is considered to be representative of the configuration shown, and may vary, with a tolerance on flux of +/- 7% (typical of LED manufacturer's data) and luminaire power of +/- 5%.

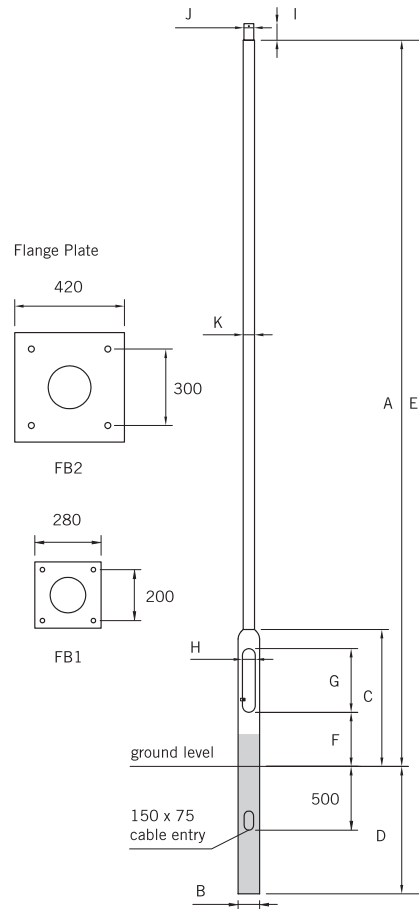
The specifications of the Holophane luminaires represents typical values. All descriptions, illustrations, drawings and specifications in the Holophane catalogue, data sheets and website represent only general particulars of the goods to which they apply and shall not form part of any contract. The company reserves the right to change specifications at its discretion without prior notification or public announcement.

standard columns stepped steel



Holophane products that are suitable

CityMax
Denver Elite pole
D-Series
Factor
Factor small
V-Max



	Nominal Height	Base Diameter*	Base Height	Planting Depth	Overall Length	Door to Ground	Door Opening Length	Door Opening Width	Spigot Length*	Spigot Diameter*	Shaft Diameter*	Weight kg*	Bending Moment (ULS) Nm
description	A	B	C	D	E	F	G	H	I	J	K		
2.5m standard duty	2500	140	1075	800	3300	400	500	100	-	-	76	27	2100
3m standard duty	3000	140	1075	800	3800	400	500	100	-	-	76	30	4666
3.5m standard duty	3500	140	1075	800	4300	400	500	100	-	-	76	32	2100
4m standard duty	4000	140	1075	800	4800	400	500	100	-	-	76	34	6484
4.5m standard duty	4500	140	1075	800	5300	400	500	100	-	-	76	37	5108
5m standard duty	5000	140	1075	800	5800	400	500	100	-	-	76	39	6149
5.5m standard duty	5500	140	1075	1000	6500	400	500	100	-	-	76	44	6003
6m standard duty	6000	140	1075	1000	7000	400	500	100	-	-	76	46	5999
6m heavy duty	5700	168	1200	1000	6700	400	600	115	130	76	89	71	10404
8m standard duty	7700	168	1200	1200	8900	400	600	115	130	76	89	89	10072
8m heavy duty	7700	168	1300	1200	9000	500	600	115	250	101	114	107	15699
8m extra heavy duty	7700	194	1300	1200	9000	500	600	115	250	127	140	136	18973
10m standard duty	9700	168	1300	1500	11200	500	600	115	250	101	114	150	18067
10m heavy duty	9700	194	1300	1500	11200	500	600	115	250	127	140	168	23193
10m extra heavy duty	9700	194	1300	1500	11200	500	600	115	250	152	168	220	28317
12m standard duty	11700	194	1300	1700	13400	500	600	115	250	127	140	213	26251
12m heavy duty	11700	194	1300	1700	13400	500	600	115	250	127	168	260	40390

* Exclusion TBC

2.5m standard duty Flange Plate FB2 Bolt M18 x 120

Flange Plate and Anchor Bolt information will be confirmed at time of order due to the necessity in ensuring



standard columns

stepped steel - CityMax Large only

post top

	Nominal Height	Base Diameter	Base Height	Planting Depth	Overall Length	Door to Ground	Door Opening Length	Door Opening Width	Spigot Length	Spigot Diameter	Shaft Diameter	Weight kg	Bending Moment (ULS) Nm
description	A	B	C	D	E	F	G	H	I	J	K		
6m	6000	140	1075	1000	7000	400	500	115	-	-	-	46	5999
8m	7700	168	1300	1200	9000	500	600	115	100	76	114	107	15699
10m	9700	168	1300	1500	11200	500	600	115	100	76	114	150	18067
12m	11700	194	1300	1700	13400	500	600	115	100	76	140	168	26251
15m	14700	194	1200	2000	17000	400	600	115	100	76	168	306	40300

twin head

	Nominal Height	Base Diameter	Base Height	Planting Depth	Overall Length	Door to Ground	Door Opening Length	Door Opening Width	Spigot Length	Spigot Diameter	Shaft Diameter	Weight kg	Bending Moment (ULS) Nm
description	A	B	C	D	E	F	G	H	I	J	K		
8m	7400	194	1200	1200	8800	400	600	115	200	127	139.7	125	22610
10m	9400	194	1200	1500	11100	400	600	115	200	152.4	168.3	208	39131
12m	11400	194	2500	1700	13300	1000	600	115	200	152.4	168.3	295	41585

Note: For Terrain Category 2 locations LMZ, HVZ & HEZ

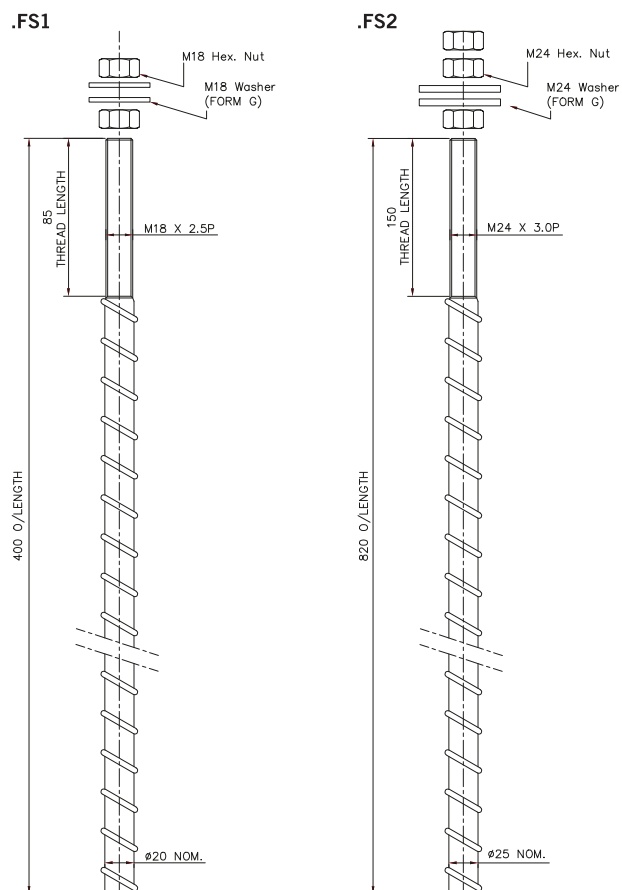
Anchor bolts

For columns supplied with optional flange base Holophane offer three types of foundation bolts.

Note: The material used for the bolts is Fe E500 grade steel, with yield strength 500 N/mm² and minimum UTS 550 N/mm².

HEL.FS1 M18 Bolts (FS1) x 400 mm long

HEL.FS2 M24 Bolts (FS2) x 820 mm long



SUMMARY

P173-1314 - RIVERMEAD LEISURE CENTRE

Line No.	Item Ref	Quantity	Catalogue
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LUMINAIRE, COLUMN AND BRACKET PACKAGE

10	A1	15	FTS.3.LA103.FW.C9
11	A1	15	FTSB.6.1S.SA42.LMZ.GV9

LUMINAIRE, COLUMN AND BRACKET PACKAGE

20	A2	7	FTS.3.LA103.NR.C9
21	A2	7	FTSB.6.1S.SA42.LMZ.GV9

LUMINAIRE, COLUMN AND BRACKET PACKAGE

30	A3	15	FTS.3.LA103.SY.C9
31	A3	15	FTSB.6.1S.SA42.LMZ.GV9

LUMINAIRE, COLUMN AND BRACKET PACKAGE

40	A4	1	FTS.3.LA103.AY.C9
41	A4	1	FTSB.6.1S.SA42.LMZ.GV9

LUMINAIRE

50	C	7	DEW.LA013.CGL.NR.C9
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LUMINAIRE

60	B	28	DEB.L014.PAY.DO.H100.C9.MCB
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ACCESSORY

70		28	DEB.ROOT
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