

Denver iD Wall

LED STREET & AREA LUMINAIRE



FEATURES

- Available with nominal lumen ranges from 700 to 4,000 (delivered).
- A range of distributions for a variety of applications with 0% ULOR.
- 2700K, 3000K & 4000K options available.
- CRI > 70.
- Available with integrated control and emergency options.
- Complies with EN60598.
- IP65 and IK10.
- -20°C to +45°C.
- 5-year warranty.
- Suitable for spacings of 15m to 20m at 3m mounting height (5 lux average).
- Frontlight shield available on request.
- PIR sensor and/or multiple cable entry back box available on request.
- Pole mount bracket available on request.

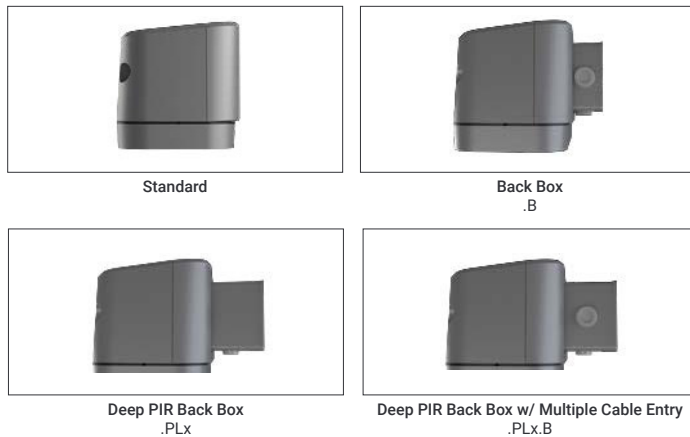


TYPICAL LUMINAIRE PERFORMANCE

Configuration	Delivered Lumens	Circuit Power (W)	Driver Output Current (mA)	Total No. Of LEDs	Efficacy (lm/w)
DWL.LA01X	c.1,000	7	200	8	127
DWL.LA02X	c.1,500	12	360	8	135
DWL.LA03X	c.2,500	18	650	8	137
DWL.LA04X	c.4,000	25	475	16	153

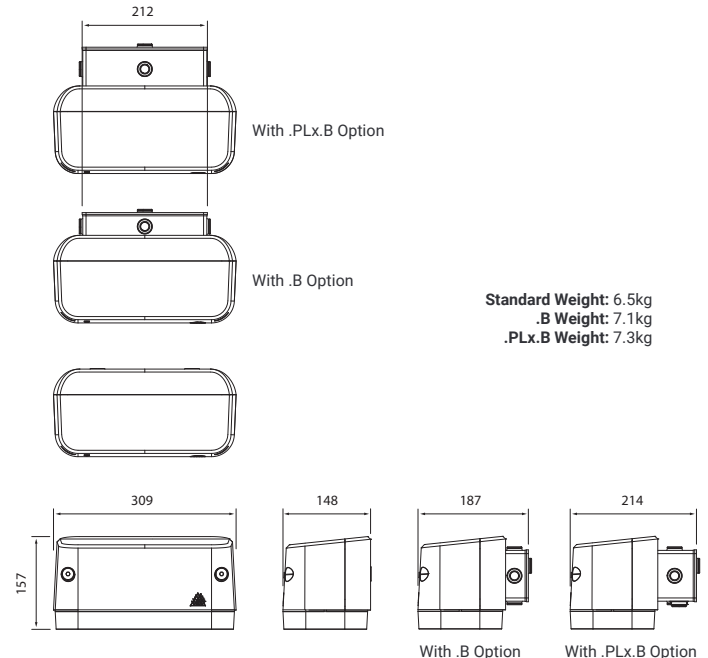
Lumen data is considered to be representative of the configuration shown, and may vary, with a Tolerance on flux of +/- 7% (typical of LED manufacturers data) and luminaire power of +/- 5%.

CONFIGURATIONS



DIMENSIONS

All dimensions in MM



Standard Weight: 6.5kg
 .B Weight: 7.1kg
 .PLx.B Weight: 7.3kg

SPECIFICATION

Holophane Denver iD: Wall consists of a 2-part body and a removable LED module manufactured from LM6 marine grade die-cast aluminium with integrated thermal management properties. The LED module optical arrangement consists of LEDs with individual PMMA optical lenses surrounded by a patented white Transition Zone to reduce perceived glare. This is sealed behind high transparency 'hydrophilic' glass. Both luminaire body and LED module are sealed to IP65 and rated IK10. Drivers and LED are mounted separately from each other to promote low operating temperatures and long system life. Mounting of the luminaire is facilitated by mounting the back casting of luminaire to suitable surface. Cable entry and termination to the luminaire is via an 2 x IP65 20mm cable gland. Access to the luminaire is via 2 x nuts.

3000K or warmer must be selected for IDA dark sky certification.

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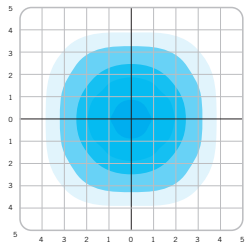
REVISION DATE: 29 04 2023
 ALL LUMEN & WATTAGE FIGURES NOMINAL

Denver iD Wall

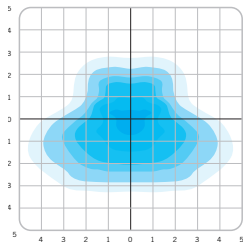
LED STREET & AREA LUMINAIRE



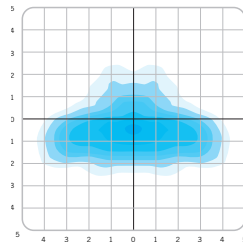
DISTRIBUTIONS



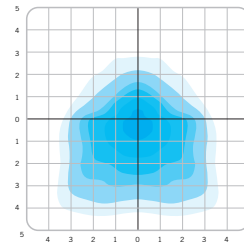
Symmetric (.SY)



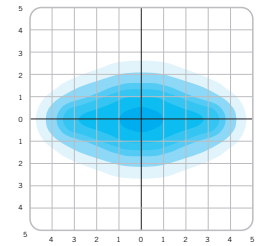
Asymmetric (.AY)



Long & Narrow (.NR)



Forward Throw (.FW)



High Beam Long & Narrow (.HN)

ELECTRICAL

	LA01X	LA02X	LA03X	LA04X
Drive Current From Driver	200mA	360mA	650mA	475mA
Power	6.5W	10.3W	18W	25W
Fitting Current	0.03A	0.05A	0.08A	0.11A
Power Factor	0.95	0.97	0.99	0.99
Fitting Inrush	15A-0.295ms	15A-0.36ms	15A-0.36ms	15A-0.295ms
Number of Drivers	1	1	1	1
Max Drivers per 16A Type B MCB	29	23	23	29
Total Number of LEDs	8	8	8	16
Minimum Dim Level	26%	19%	11%	11%
THDi	12.4	8.5	7.6	7

LLMF

Configuration	Wattage	CCT	Optic	Depreciation @ 50K Hours	Depreciation @ 100K Hours
DWL.1.LA013.FW.C6.W007	7W	3000K	FW	L99B50	L98B50
DWL.1.LA023.FW.C6.W011	11W	3000K	FW	L99B50	L98B50
DWL.1.LA033.FW.C6.W018	18W	3000K	FW	L96B50	L92B50
DWL.1.LA043.FW.C6.W025	25W	3000K	FW	L99B50	L98B50
AVERAGE (ROUNDED)				L98B50	L97B50

Note: Ta: 25°. Approximate LLMF data provided as a guide only. LLMF for other configurations may be different. For reference purposes, the data may extrapolate beyond the recommended 6x LM-80 data in IESNA TM-21, which these calculations are based on. Contact ADLT for more information.

MAINTENANCE

Installation

Denver iD: Wall offers numerous ways of mounting the luminaire. This can be done either directly with the standard product or with a range of back boxes for uneven wall surfaces (dependent on option choice). Optional pole mount bracket also available.

Maintainability

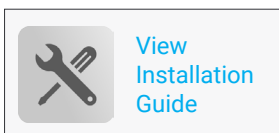
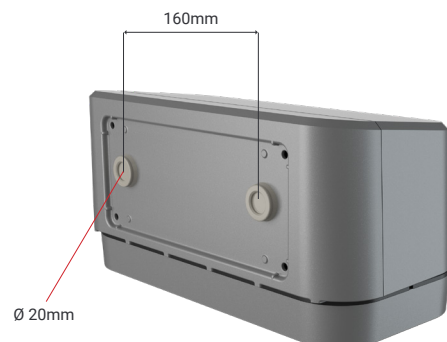
In the unlikely situation when an LED module has become damaged or prematurely failed the LED module can be easily removed and replaced in situ. Additionally, drivers and emergency batteries are easily accessed via the gear compartment.

Upgradability

As LED technology improves and LEDs become more efficient the LED modules also have the ability to be upgraded in situ. This enables the luminaire to be future proof and can take advantage of any performance gains.

Sustainability

With the ability to replace major components the Denver iD: Wall ensures a longer more sustainable luminaire system life. At the end-of life the majority of the components may be recycled via e-waste recycling centres (check with local authorities).



Denver iD Wall

LED STREET & AREA LUMINAIRE



CONTROLS - ZD4i

Holophane's ZD4i architecture provides a future-proof foundation that enables users to build on whenever their site/project is ready to opt into new advances in technology. It is designed to work with industry-recognised, futureproof drivers and sensors that have the potential to increase energy efficiency. By having **Denver iD Wall** ZD4i-ready, customers can upgrade / adjust the controllability of their lighting and gather valuable data whenever they are ready.

BENEFITS

Increased Energy Savings: Sensors and devices can be used to optimise luminaires to give greater energy savings and provide light only when it is required.

Flexibility: The ZD4i architecture enables the interchanging and upgrading of sensor and device options if and when the end-user pleases.

Future Proof: End-users have access to an ever expanding eco-system of devices and sensors through 3rd-party suppliers. The ZD4i architecture is an industry recognised platform.

Note: Please ensure that the selected IoT device is compatible and suitable for the respective luminaire. All installation should be completed in compliance with the respective devices installation instructions (and limitations). Holophane cannot be held responsible for the operation of its luminaires with third party devices.



CONTROL ACCESSORIES



CONTROLUX AIR is a wireless technology that offers intelligent lighting with reductions in energy consumption of up to 80%. It optimises energy savings thanks to the individual control of light sources. It controls, monitors and manages street lighting, reporting consumptions, operating hours or system faults.

IOT.TZ.CA
For use with TZ01



EasyAir SNO110 is ideally suited for outdoor applications and is intended for individual pole control and configuration. It automatically connects to the Global Navigation Satellite System (GNSS) to obtain date and time information in real time. On/off switching as well as a 5-step DynaDimmer scheduling based on date and time can be configured using Bluetooth communication. Therefore, this device can easily replace a photocell or LineSwitch-based control mechanism.

IOT.TZ.EAS
For use with TZ01



The PrecisionHALO is Lucy Zodion's latest photocell innovation that packs a number of features into its small, compact design. Optimised for the latest generation of LED Streetlights, the PrecisionHALO works alongside Zhaga drivers and connectors.

IOT.TZ.TSZC
For use with TZ01

CONTROLS - SENSORS

Denver iD: Wall is available with a range of integrated controls and PIR options to suit project requirements. This ranges from simple on/off switching to dimming. All PIRs require an additional Back-Box which is included within the option.

PL0 Option

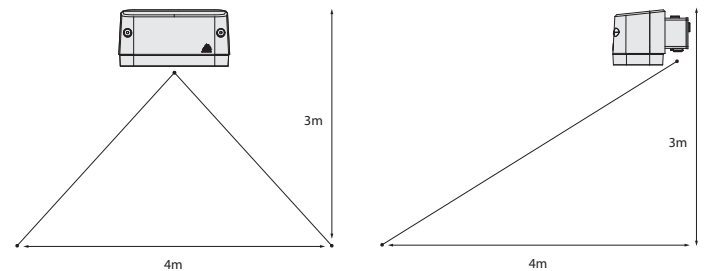
Integrated PIR, suitable up to 6m. Switches off after 10 minutes of inactivity.

PL1 Option

Integrated PIR, suitable from 4.5m up to 9m. Dims to 30% after 10 minutes of inactivity - switches off after further 10 minutes.

PL2 Option






Groupable PIR (within 4m range), suitable up to 4m. Dims to 30% after 10 minutes of inactivity - switches off after further 10 minutes.




Denver iD Wall

LED STREET & AREA LUMINAIRE

STANDARD COLOURS

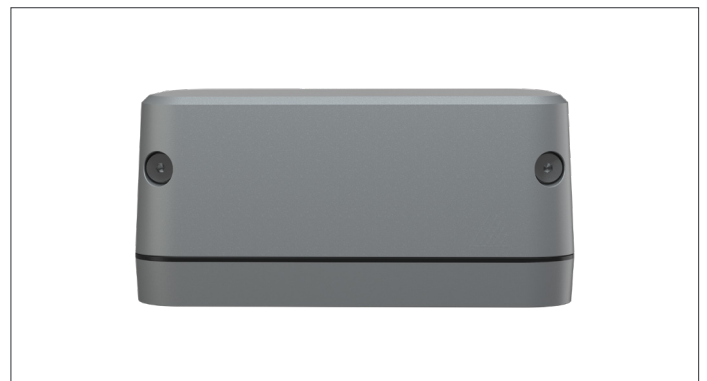
	C1	Smooth White (RAL9016)
	C4	Smooth Graphite (RAL7011)
	C6	Smooth Grey (RAL7035)
	C7	Textured Black (RAL9005)
	C9	Metallic Silver (RAL9006)

CUSTOM COLOURS

	RAL****	Customer Specified Colour
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**Choosing a custom colour may increase cost and lead time.*

ADDITIONAL PHOTOS



THE DENVER iD RANGE

Holophane's Denver iD Series consists of wall, pole and bollard luminaires which combine clean styling, visual comfort and unrivalled system performance to meet the unique requirements of pedestrian-friendly amenity spaces.

Coupled with the latest LED technologies, optional smart controls integration and class-leading optical performance, the Denver iD Series combines form with a feature-rich luminaire system.

Click the product images to view the other members of the Denver iD Series on adlt.com.au!



Denver iD Bollard



Denver iD Pole

Denver iD Wall

LED STREET & AREA LUMINAIRE



ORDERING INFORMATION

Code	Luminaire (required)
DWL	Denver iD Wall
Code	Series (required)
.1	Series 1
Code	Lamp Type (required)
.LA012	LED light engine producing c.1,000 lm with a nominal 2700K colour temperature
.LA022	LED light engine producing c.2,000 lm with a nominal 2700K colour temperature
.LA032	LED light engine producing c.3,000 lm with a nominal 2700K colour temperature
.LA042	LED light engine producing c.4,000 lm with a nominal 2700K colour temperature
.LA013	LED light engine producing c.1,000 lm with a nominal 3000K colour temperature
.LA023	LED light engine producing c.2,000 lm with a nominal 3000K colour temperature
.LA033	LED light engine producing c.3,000 lm with a nominal 3000K colour temperature
.LA043	LED light engine producing c.4,000 lm with a nominal 3000K colour temperature
.LA014	LED light engine producing c.1,000 lm with a nominal 4000K colour temperature
.LA024	LED light engine producing c.2,000 lm with a nominal 4000K colour temperature
.LA034	LED light engine producing c.3,000 lm with a nominal 4000K colour temperature
.LA044	LED light engine producing c.4,000 lm with a nominal 4000K colour temperature
Code	Distribution (required)
.SY	Symmetric
.AY	Asymmetric
.NR	Long and Narrow light distribution
.FW	Forward Throw
.HN	High Beam Long and Narrow light distribution
Code	Colour (required)
.C1	Smooth White (RAL9016)
.C4	Graphite (RAL 7011)
.C6	Smooth Grey (RAL7035)
.C7	Black (RAL9005)
.C9	Metallic Silver (RAL9006)
.RAL****	RAL Colour (Customer choice)
Code	Paint Finish (option)
.C	Enhanced Paint Finish
Code	Voltage Electrical Class (option)
.CII	Class II
Code	Photocell (option)
.TSZ	Complete with miniature 70 lux factory fitted photocell. (Zodion SS12)
.TZ01	Complete with 4-Pin Zhaga Socket - 'Top' (suitable photocell/node supplied by others) with weather proof locking cap
Code	Controls (option)
.PL0	Integrated PIR, suitable up to 6m. Switches off after 10 minutes of inactivity. Remotely re-programmable with accessory HEL.PRG (purchased separately)
.PL1	Integrated PIR, suitable from 4.5m up to 9m. Dims to 30% after 10 minutes of inactivity - switches off after further 10 minutes. Remotely re-programmable with accessory HEL.PRG (purchased separately)
.PL2	Groupable PIR (within 4m range), suitable up to 4m. Dims to 30% after 10 minutes of inactivity - switches off after further 10 minutes. Remotely re-programmable with accessory HEL.PRG.G (purchased separately)
.CA	Wireless lighting node (top socket) for use with Holophane Controlux Air System. (Includes subscription package for two years). Suitable up to 12m.
Code	Emergency (option)
.EM1	1hr maintained integrated emergency. Self-test
.EM3	3hr maintained integrated emergency. Self-test
Code	Dimming Outputs (option)
.LRD	LED Reguable Dali
.LRT56	Pre-set to dim to 50% between 12am to 6am
.LRT66	Pre-set to dim to 60% between 12am to 6am
.LRT76	Pre-set to dim to 70% between 12am to 6am
.LRT*****	Customer specified pre-set dimming
Code	Control Gear - 4 (option)
.CL7	Programmed to deliver 70% of the initial lumens over the life of the luminaire
.CL8	Programmed to deliver 80% of the initial lumens over the life of the luminaire
.CL9	Programmed to deliver 90% of the initial lumens over the life of the luminaire
Code	Cable Entry (option)
.B	Cable backbox for side, top and bottom cable entry
Code	Screws - 21 (option)
.V1	Vandal-resistant screws

Example

Note: TSZ not compatible with TZ01/.PLx.B

ACCESSORIES

Code	
DWL.VK	Vandal Key
DWL.FLS	Front Light Shield
DWL.BB	Back box
DWL.PM	Pole mount adapter

Note: The specifications of the Holophane luminaire, all descriptions, illustrations, drawings and specifications in the Holophane catalogue 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.

DENVERTM iD WALL

REGISTERED EUROPEAN DESIGN
PATENTED DESIGN



DENVER
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