

MAXIMUS-12415

8W Low-Glare Tri-Colour LED Downlight, Dimmable

Features

- Recessed light source for high quality installations
- Excellent beam control compared to diffused downlights
- Reduce eye strain and increase comfort with a low glare design
- Ideal for high-end and residential applications
- Supplied with an integrated dimmable LED driver
- Selectable colour temperature to suit the installation and room



MECHANICAL

Body Material	PA46 Plastic wrapped aluminium
Diffuser Material	Polycarbonate
Fitting Colour	White
IC Rating	IC-4
IC-4 rating has been conducted at the products maximum working Temperature Range (C) in line with Australian standards. This provides the required safety when covered with insulation and used in Australian Environments.	
Installation Type	Recessed
IP Rating	IP54 Front Face Only

ELECTRICAL

Electrical Rating	Class II
Input Current	0.05 A
Input Frequency	50 Hz
Input voltage	230Vac
In Australia the Input voltage is defined as 230Vac -6%/+10%. This effectively means that the voltage range of these products are 216Vac - 253Vac or 240V +6%	
Maximum Wattage	8 W
Power Factor	0.9
Switch Type	Inline
Working Temp Range	-20 to 40 °C

LAMP

Beam Angle	45 °
CCT Configuration	TRI-CCT
CRI	>80
UGR	<24

LED LIFETIME

LED Lifetime	35000 hrs
---------------------	-----------

This is the Reported LED Lifetime in Hours based on TM-21. Atom does not list the projected or calculated LED lifetime, which is normally longer as TM-21 Addendum B explicitly states "The Calculated and Projected Lp(Dk) are not to be reported". This Lifetime refers to the life of a single LED however the system life is longer since the probability and binomial distribution of all LEDs in the system means that the average led is performing above the specification and compensates for the LEDs falling below.

COLOUR TEMPERATURE

Warm White (3000)	750 lm
Cool White (4000)	840 lm
DayLight (5700)	790 lm

DRIVER

Dimmable	Yes
Driver Included	Yes
Integrated Driver	Yes
Driver Type	Dimmable (Phase cut)
Flex & Plug or Lead Length	600 mm
Wiring Type	Re-wireable Flex & Plug (2 pin)

COMPLIANCE

Daily Use	12 hrs
------------------	--------

The Daily Use is the recommended time required to meet the product's design life. Installations can exceed this time, however the product design life will be reduced proportionally.

Standards	AS/NZS 60598.1 AS/NZS 60598.2.2 AS/NZS 61347.1 AS/NZS 61347.2.13 AS CISPR 15
------------------	--

WARRANTY

Commercial Use Warranty	3 RTB (Total 3 Years)
Domestic Use Warranty	3 (Yr) RTB

DIMENSIONS

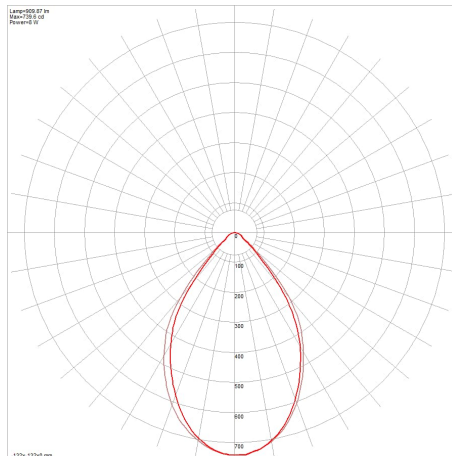
Cutout	92 mm
Product Diameter	106 mm
Product Height	84 mm

ORDERING INFORMATION

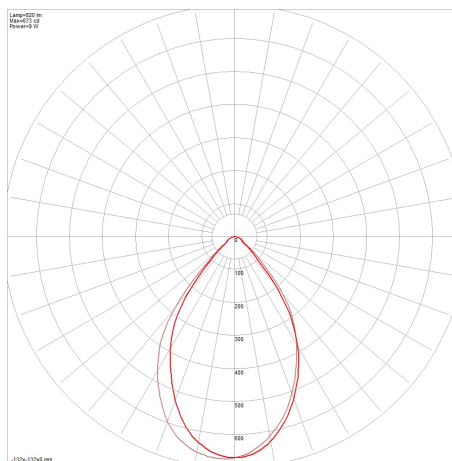
Order code	12415
Description	8W Low-Glare LED Downlight - 90mm - TRI-CCT - White
Item Code	MAXIMUS-12415

PHOTOMETRICS

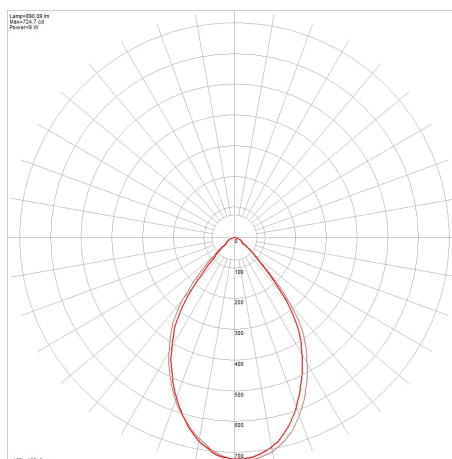
Maximus/12415/4000K



Maximus/12415/3000K



Maximus/12415/5700K



MAXIMUS-12416

8W Low-Glare Tri-Colour LED Downlight, Dimmable

Features

- Recessed light source for high quality installations
- Excellent beam control compared to diffused downlights
- Reduce eye strain and increase comfort with a low glare design
- Ideal for high-end and residential applications
- Supplied with an integrated dimmable LED driver
- Selectable colour temperature to suit the installation and room



MECHANICAL

Body Material	PA46 Plastic wrapped aluminium
Diffuser Material	Polycarbonate
Fitting Colour	Black
IC Rating	IC-4
IC-4 rating has been conducted at the products maximum working Temperature Range (C) in line with Australian standards. This provides the required safety when covered with insulation and used in Australian Environments.	
Installation Type	Recessed
IP Rating	IP54 Front Face Only

ELECTRICAL

Electrical Rating	Class II
Input Current	0.05 A
Input Frequency	50 Hz
Input voltage	230Vac
In Australia the Input voltage is defined as 230Vac -6%/+10%. This effectively means that the voltage range of these products are 216Vac - 253Vac or 240V +6%	
Maximum Wattage	8 W
Power Factor	0.9
Switch Type	Inline
Working Temp Range	-20 to 40 °C

LAMP

Beam Angle	45 °
CCT Configuration	TRI-CCT
CRI	>80
UGR	<19

LED LIFETIME

LED Lifetime	35000 hrs
---------------------	-----------

This is the Reported LED Lifetime in Hours based on TM-21. Atom does not list the projected or calculated LED lifetime, which is normally longer as TM-21 Addendum B explicitly states "The Calculated and Projected Lp(Dk) are not to be reported". This Lifetime refers to the life of a single LED however the system life is longer since the probability and binomial distribution of all LEDs in the system means that the average led is performing above the specification and compensates for the LEDs falling below.

COLOUR TEMPERATURE

Warm White (3000)	560 lm
Cool White (4000)	630 lm
DayLight (5700)	570 lm

DRIVER

Dimmable	Yes
Integrated Driver	Yes
Driver Type	Dimmable (Phase cut)
Flex & Plug or Lead Length	600 mm
Wiring Type	Re-wireable Flex & Plug (2 pin)

COMPLIANCE

Daily Use	12 hrs
The Daily Use is the recommended time required to meet the product's design life. Installations can exceed this time, however the product design life will be reduced proportionally.	
Standards	AS/NZS 60598.1 AS/NZS 60598.2.2 AS/NZS 61347.1 AS/NZS 61347.2.13 AS CISPR 15

WARRANTY

Commercial Use Warranty	3 RTB (Total 3 Years)
Domestic Use Warranty	3 (Yr) RTB

DIMENSIONS

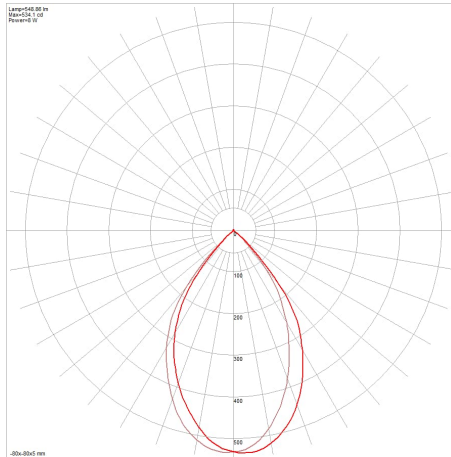
Cutout	92 mm
Product Diameter	106 mm
Product Height	84 mm
Product Weight	280 g

ORDERING INFORMATION

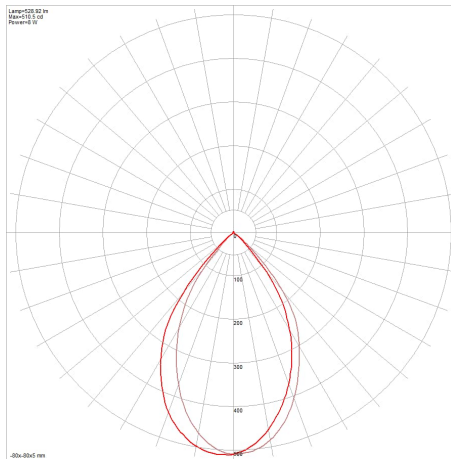
Order code	12416
Description	8W Low-Glare LED Downlight - 90mm - TRI-CCT - Black
Item Code	MAXIMUS-12416

PHOTOMETRICS

Maximus/12416/3000K



Maximus/12416/5700K



Maximus/12416/4000K

