

SYLVANIA

Myriad V Next Generation



Concord

- Hotels
- Shoplighting
- Boutique outlets
- Museums & Galleries
- Reception areas
- Foyers
- Corridors
- Bathrooms
- Washrooms
- Restaurants



Myriad V Next Generation

The original Myriad range was launched in 1986 and quickly became the leading architectural low voltage downlight range for lighting designers and specifiers across the world.

Over time, the extended Myriad family has been kept up to date by the introduction of new contemporary decorative and control accessories and popular lamp technologies such as compact fluorescent, britespot and ceramic metal halide allowing this versatile range to still be considered the lighting designers tool of choice.

Myriad V Next Generation introduces new solid state 1x13w LED module downlights, pendants and also a miniature high output metal halide 20/35w CIM-Tmini supermini fixture. The complete family is supported by a range of new accessories including square trims with deep frosted rings, micro and mini Kometa diffuser rings, flush plasterboard versions, architectural indirect glass dish attachments and glass ring stacks all providing a different lit dimension depending on the application.

Myriad V Next Generation defines innovative interior lighting and is ideal for a diverse range of applications, it offers the unique ability to mix a variety of lamp sources whilst maintaining a uniform appearance within a scheme.



Myriad V
Solid State
Downlight

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Myriad V
Solid State
Pendant

Page 12-15

Myriad V
20/35W CIM-Tmini
Downlight

Page 16-19

Myriad 50
Downlight

Page 20-23

Myriad Compact
Downlight

Page 24-27

Housing only (Requires separate accessory) *OR* Housing complete with Bezel (IP65)

Available in Silver, Black or White

Kometa Ring			Bezel + Metal Ring
Bezel + Micro Glass Dish			Bezel + Kick Deflector
Bezel + Floating Micro Glass Stacky			Bezel + Frosted Shallow Ring
Bezel + Cover Glass			Bezel + Frosted Deep Ring
Bezel + Opal Dish			Bezel + Blue Deep Ring
Bezel + Floating Clear Glass			Bezel + Frosted Glow Ring



Housing only (Requires separate accessory)

Kometa Ring			Bezel + Metal Ring
Bezel + Micro Glass Dish			Bezel + Kick Deflector
Bezel + Floating Micro Glass Stacky			Bezel + Frosted Shallow Ring
Bezel + Cover Glass			Bezel + Frosted Deep Ring
Bezel + Opal Dish			Bezel + Blue Deep Ring
Bezel + Floating Clear Glass			Bezel + Frosted Glow Ring

Housing only With or without transformer (Requires separate accessory)

Kometa Ring			Bezel + Metal Ring
Bezel + Micro Glass Dish			Bezel + Kick Deflector
Bezel + Floating Micro Glass Stacky			Bezel + Frosted Shallow Ring
Bezel + Cover Glass			Bezel + Frosted Deep Ring
Bezel + Opal Dish			Bezel + Blue Deep Ring
Bezel + Floating Clear Glass			Bezel + Frosted Glow Ring

Housing only (Requires separate accessory)

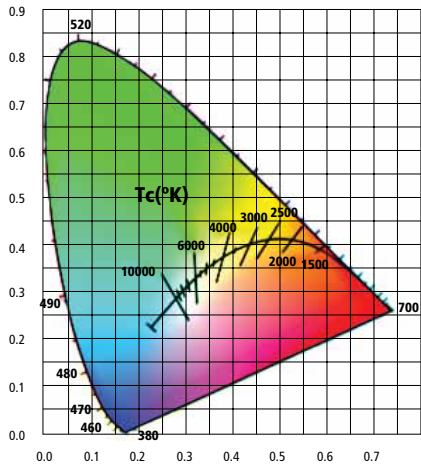
Kometa Ring			Bezel + Micro Glass Dish
Bezel Only			Square Trim Frost Ring
Bezel + Cover Glass			Bezel + Opal Dish
Bezel + Floating Clear Glass			Bezel + Metal Ring
Bezel + Frosted Deep Ring			Bezel + Frosted Deep Ring

Myriad V LED technology

Colour Temperature

Colour temperature is a characteristic of visible light that plays a significant role in lighting applications. The colour temperature of a light source is the temperature of a perfect black-body radiator that radiates light of a similar appearance to that of the light source. The colour temperature is measured in units of absolute temperature; Kelvin (K).

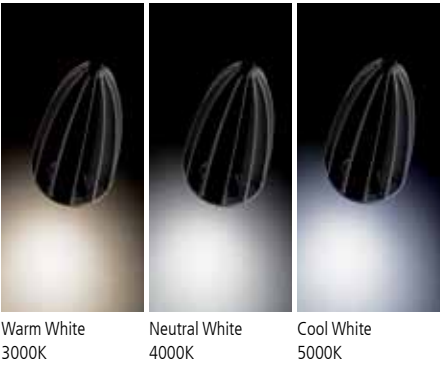
Colour temperature works paradoxically to our cultural associations with colour, red as hot and blue as cold. On the black-body curve, blue occurs at higher temperatures than red. A good example is a candle which has a warm red orange appearance but in fact has a low Kelvin temperature, 1850 K. Therefore higher colour temperatures (5000 K more) are called cool colours (blueish white); lower colour temperatures (2700 – 3000 K) are called warm colours (yellowish white through red).



The Planckian locus shows the chromaticities of black-body light sources of various colour temperatures and lines of constant correlated colour temperature shown within the CIE chromaticity diagram.

Colour Correlated Temperature (CCT)

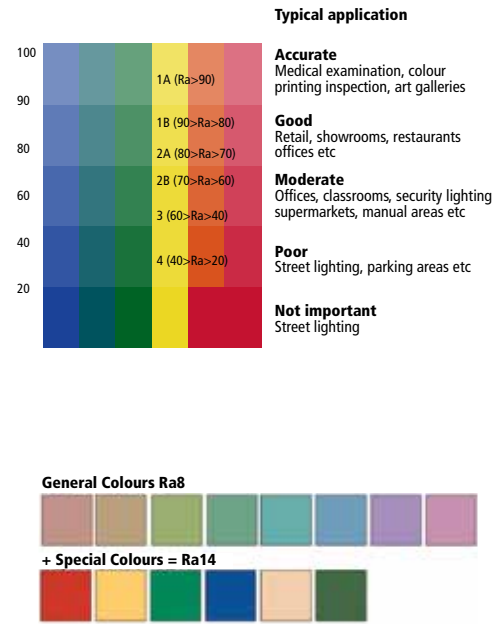
An incandescent light bulb is very close to a perfect black-body radiator, so its colour temperature is basically the temperature of the filament. However many light sources, such as fluorescent tubes or high intensity discharge lamps, emit light by processes other than thermal radiation and therefore it is not possible to apply the black-body spectrum. For these light sources it is possible to assign what is known as a colour correlated temperature (CCT). The CCT is the colour temperature of a black-body (Planckian) radiator which most closely matches the colour of the light emitted from the lamp.



Colour Rendering Index (CRI)

The colour rendering of a light source is an indicator of its ability to realistically reproduce the colour of an object. The chart illustrates our ability to accurately determine colour depending on the colour rendering properties of the light source. The higher the colour rendering index (on a scale of 0 to 100) of the source the better our ability to perceive differences in colour, which is a considerable aid to highlighting fashion products and effective display of coloured artworks.

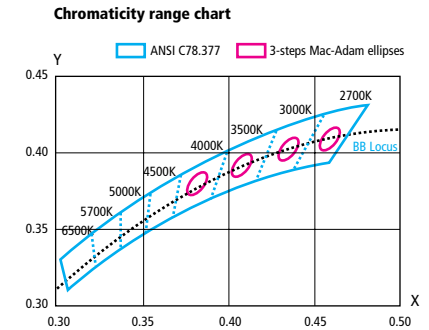
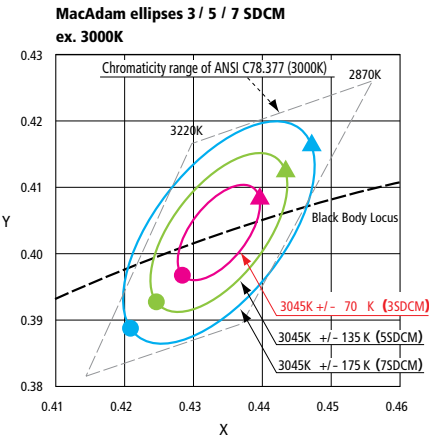
The CIE colour rendering index (CRI) is a method to determine how well a light source's illumination of eight standardised colour patches compares to the illumination provided by a reference source. At Ra (8) the perceived colour shift of eight reference colours is measured as a percentage and averaged to give one number. However it is currently understood that due to the spectral power distribution of LED's that instead of using the standard Ra8 it is important to include 7 additional colours which include red, yellow, blue & green and use Ra14 to ensure better results.



Binning

The term binning refers to the variations which occur within a single production batch of LED's such as chromaticity, lumen output and forward voltage. It is important that a specific bin has been identified and selected to ensure a uniform and constantly even lighting installation is achieved. If all the LED's were selected from one production batch and used in the same luminaire or installation, there would be a mix of colour temperatures and brightness levels. For the lighting manufacturer / designer binning is an essential part of LED specification.

MacAdam ellipses methodology was created in 1943 for mathematically constructing ellipses around target points, something which became very useful for the lamp industry. ANSI C78.377 is now the standard for chromaticity specified by the American National Standards Institute. ANSI recommends that lamp manufacturers stay within a "4-step" ellipse. This means that, given a certain target point on the CIE diagram, manufacturers are given a fairly wide range of perceptible differences. The CITILED light engine products comply with the "3-step" MacAdam ellipses, meaning the chromaticity ranges are narrowed to approximately a ninth of the ANSI standard.

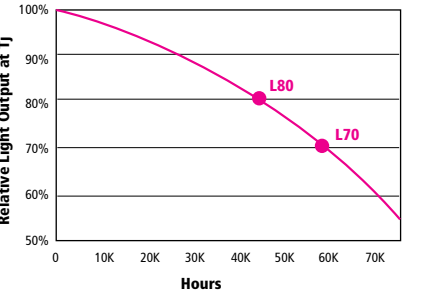


Lumen Maintenance

Rated Lumen Maintenance Life (Lxx): The elapsed operating time over which the LED light source will the percentage, xx, of its initial light output.

- L80 = Time to 80% lumen maintenance, in hours
- L70 = Time to 70% lumen maintenance, in hours

For LED lamps, lumen maintenance is often shown as curves of relative lumen output over time for the LED under various operating conditions, such as drive current and junction temperature.

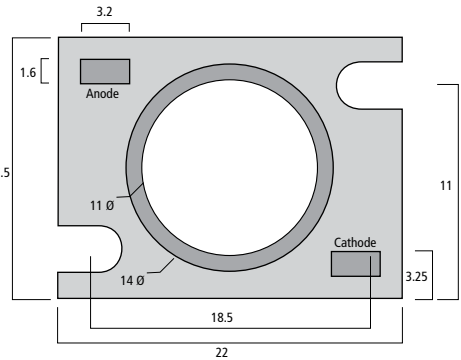


Junction Temperature (Tj)

The temperature of the Junction of the LED die inside the LED lamp. Measuring the LED die temperature by direct mechanical means is difficult and may lead to erroneous results. It is recommended that the Tj is calculated with manufacturer's data through measurement of the temperature at the solder point (Tsp).

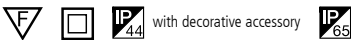
Product specification

LED Manufacturer/description Citizen CITILED Light Engine, CL-L233 series, high power high output chip technology 13W	
Forward current	720Ma
Typical CRI 3000K	Ra 85
Typical CRI 4000K	Ra 85
Typical CRI 5000K	Ra 85
Maximum Junction Temperature (Tj)	120°C
Maximum Temperature Solder (Tsp)	88°C
Myriad LED Recessed Downlight Tsp	65°C
Myriad LED Pendant Tsp	60°C





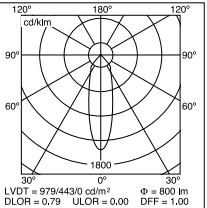
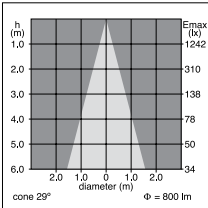
Myriad V Solid State Downlight



- New high output high efficiency LED downlight modules
- IR/UV – free light source without heat radiation
- Energy efficient light source with far superior luminous flux per watt than existing Low Voltage Halogen
- Long life up to 50K hours, fit and forget maintenance free lighting solution
- Dimmable options including DALI as standard
- IP44 & IP65 versions as standard options
- New range of Architectural accessories each providing a different lit dimension
- Wide choice of colour temperatures warm 3000K, neutral 4000K & cool 5000K
- Luminaires supplied complete with LED drivers
- Emergency versions passes through cut out
- New completely flush plaster up accessory ring for clean ceiling lines and smooth finish



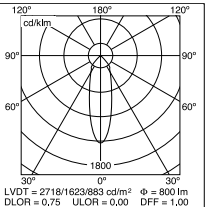
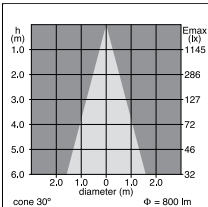
30° Housing Only *	3000K	4000K	5000K	
Electronic	2050661	2050663	2050665	0.42KG
Electronic + Emergency	2050662	2050664	2050666	0.42KG
Dimmable	2049513	2049515	2049517	0.42KG
Dimmable + Emergency	2049514	2049516	2049518	0.42KG
DALI	2049519	2049521	2049523	0.42KG
DALI + Emergency	2049520	2049522	2049524	0.42KG



* Requires Decorative Accessory - see page 11



30° IP65 Glass White Bezel	3000K	4000K	5000K	
Electronic	2050667	2050671	2050675	0.44KG
Electronic + Emergency	2050668	2050672	2050676	0.44KG
Dimmable	2049525	2049529	2049533	0.44KG
Dimmable + Emergency	2049526	2049530	2049534	0.44KG
DALI	2049537	2049541	2049545	0.44KG
DALI + Emergency	2049538	2049542	2049526	0.44KG

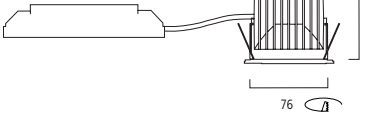


30° IP65 Glass Chrome Bezel	3000K	4000K	5000K	
Electronic	2050669	2050673	2050677	0.44KG
Electronic + Emergency	2050670	2050674	2050678	0.44KG
Dimmable	2049527	2049531	2049535	0.44KG
Dimmable + Emergency	2049528	2049532	2049536	0.44KG
DALI	2049539	2049543	2049547	0.44KG
DALI + Emergency	2049540	2049544	2049528	0.44KG

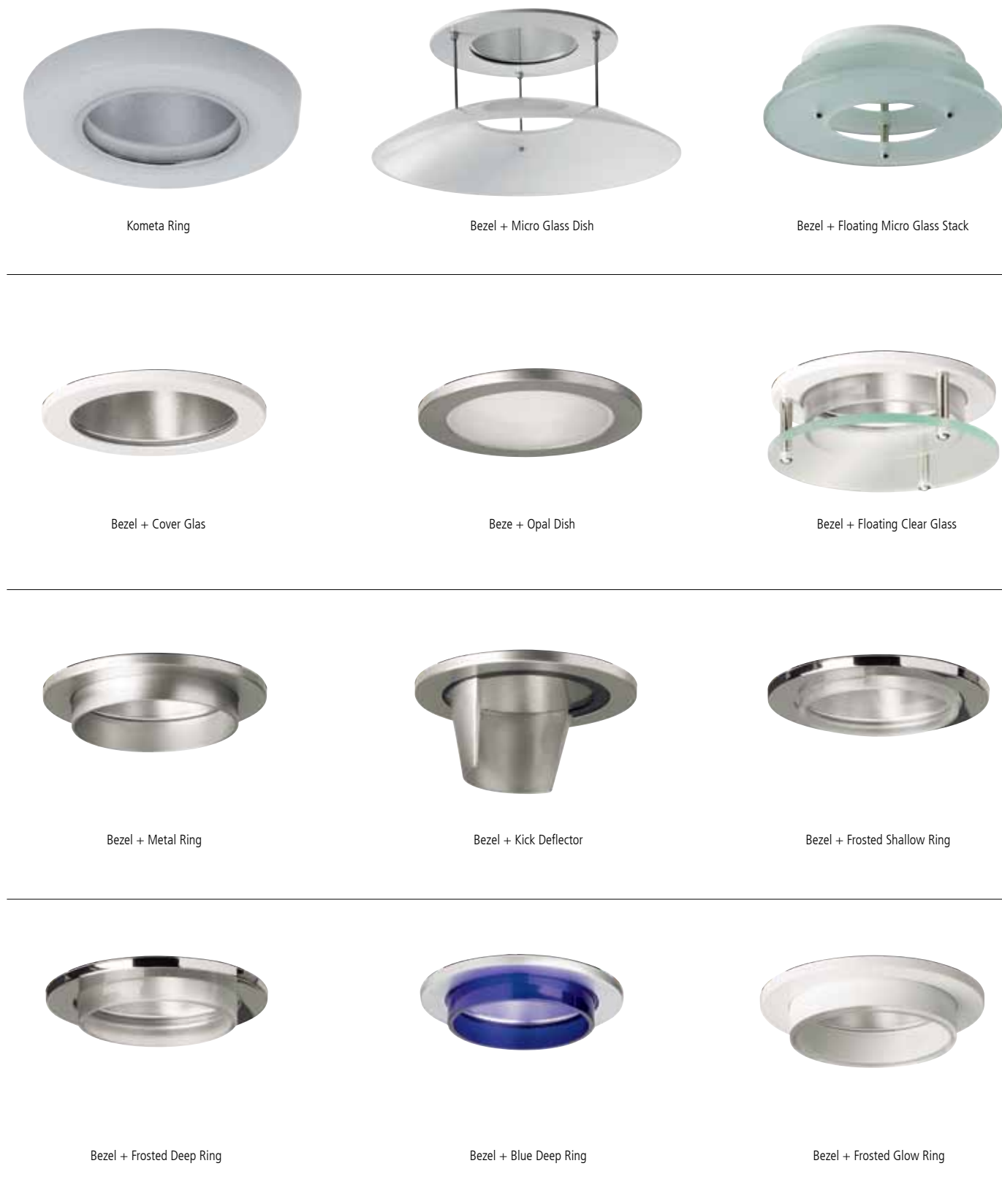


Citizen CITILED CL-L233 13w
Luminous Flux 5000K 1110 lm
Luminous Flux 4000K 1055 lm
Luminous Flux 3000K 960 lm

30° Housing







Myriad V Solid State Downlight Accessories

- New high output high efficiency LED downlight modules
- IR/UV – free light source without heat radiation
- Energy efficient light source with far superior luminous flux per watt than existing Low Voltage Halogen
- Long life up to 50K hours, fit and forget maintenance free lighting solution
- Dimmable options including DALI as standard
- IP44 & IP65 versions as standard options
- New range of Architectural accessories each providing a different lit dimension
- Wide choice of colour temperatures warm 3000K, neutral 4000K & cool 5000K
- Luminaires supplied complete with LED drivers
- Emergency versions passes through cut out
- New completely flush plaster up accessory ring for clean ceiling lines and smooth finish

Decorative Accessories

	White	Satin Chrome	Bright Chrome	Gold
Kometa Ring	2049561	-	-	-
Bezel + Micro Glass Dish	2049563	-	2049564	-
Bezel + Floating Micro Glass Stack	2049565	-	2049566	-
Bezel + Cover Glass	2017359	2017358	2017357	2017356
Beze + Opal Dish	2017375	2017374	2017373	2019080
Bezel + Floating Clear Glass	2017401	2017400	-	-
Bezel + Metal Ring	2017378	2017377	-	-
Bezel + Kick Deflector	2017398	2017397	-	-
Bezel + Frosted Shallow Ring	2017362	2017361	2017360	-
Bezel + Frosted Deep Ring	2017369	2017367	2017365	2017364
Bezel + Blue Deep Ring	2017370	2017368	2017366	-
Bezel + Frosted Glow Ring	2017382	2017380	-	-



Plaster Up Accessory

2049569



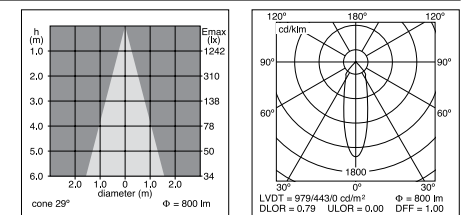


Myriad V Solid State Pendant



- New high output high efficiency LED Architectural Pendant modules
- IR/UV – free light source without heat radiation
- Energy efficient light source with far superior luminous flux per watt than existing Low Voltage Halogen
- Long life up to 50K hours, fit and forget maintenance free lighting solution
- Dimmable options including DALI as standard
- Wide choice of colour temperatures warm 3000K, neutral 4000K & cool 5000K
- Remote gear and Surface mounting options
- Available in White Ral 9016, Silver Ral 9006 & Black Ral 9005
- Luminaires supplied complete with LED drivers

Silver - Remote Gear	3000K	4000K	5000K	
Electronic	2050691	2050692	2050693	0.50KG
Dimmable	2049586	2049588	2049590	0.50KG
DALI	2049592	2049594	2049596	0.50KG



Silver - Surface Mounted	3000K	4000K	5000K	
Electronic	2050682	2050683	2050684	1.00KG
Dimmable	2049550	2049552	2049554	1.00KG
DALI	2049556	2049558	2049560	1.00KG



Remote Gear

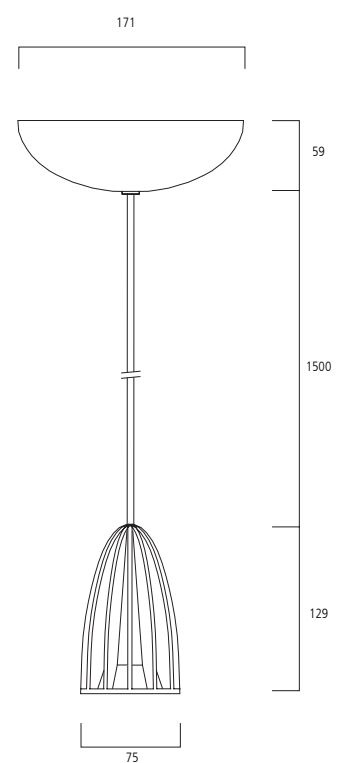


Surface Mounted Polished Chrome housing for Silver & Black Pendants
White housing for White pendants



Citizen CITED CL-L233 13w
Luminous Flux 5000K 1110 lm
Luminous Flux 4000K 1055 lm
Luminous Flux 3000K 960 lm

30° Pendant

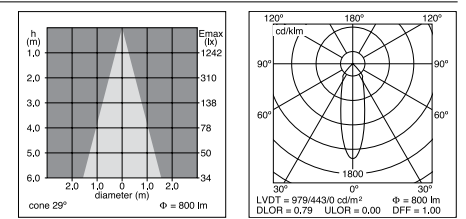




Myriad V Solid State Pendant



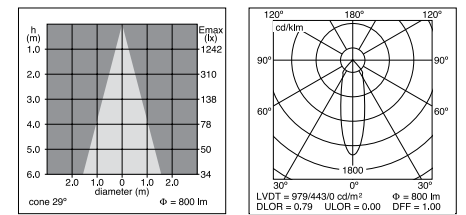
White - Remote Gear	3000K	4000K	5000K	
Electronic	2050688	2050689	2050690	0.50KG
Dimmable	2049585	2049587	2049589	0.50KG
DALI	2049591	2049593	2049595	0.50KG



White - Surface Mounted	3000K	4000K	5000K	
Electronic	2050679	2050680	2050681	1.00KG
Dimmable	2049549	2049551	2049553	1.00KG
DALI	2049555	2049557	2049559	1.00KG



Black - Remote Gear	3000K	4000K	5000K	
Electronic	2050694	2050695	2050696	0.50KG
Dimmable	2049597	2049598	2049599	0.50KG
DALI	2049600	2049601	2049602	0.50KG



Black - Surface Mounted	3000K	4000K	5000K	
Electronic	2050685	2050686	2050687	1.00KG
Dimmable	2049579	2049580	2049581	1.00KG
DALI	2049582	2049583	2049584	1.00KG



Remote Gear

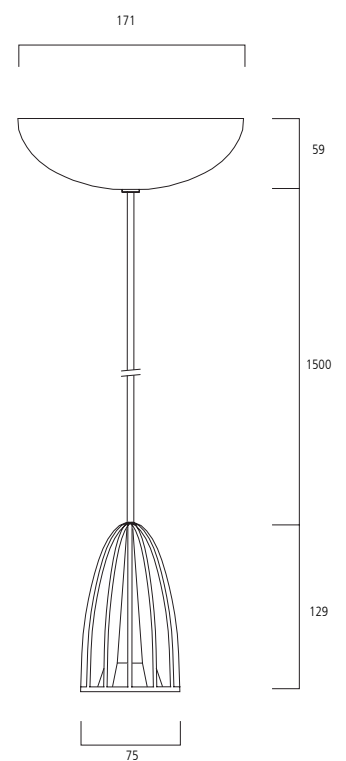


Surface Mounted Polished Chrome housing for Silver & Black Pendants
White housing for White pendants



Citizen CITED CL-L233 13w
Luminous Flux 5000K 1110 lm
Luminous Flux 4000K 1055 lm
Luminous Flux 3000K 960 lm

30° Pendant





Myriad V 20W/35W CMI-Tmin Downlight



 with decorative accessory

- Compact high output downlight with a cut out of 76mm
- Luminaires complete with compact lightweight electronic control gear
- Robust twist and lock GU6.5 lamp base
- New range of Architectural accessories each providing a different lit dimension
- New completely flush plaster up accessory ring for clean ceiling lines and smooth finish
- **Order lamp separately**

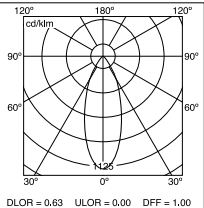
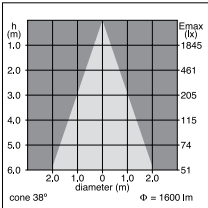


Housing Only*
Order Trim Separately

20W CMI-Tmini / CMH – Supermini Beam 38° **2049511** 0.44KG
* Requires Decorative Accessory - see page 19




CMI-Tmini/CDH-Supermini 6.5
20w
20w = 1600 lm

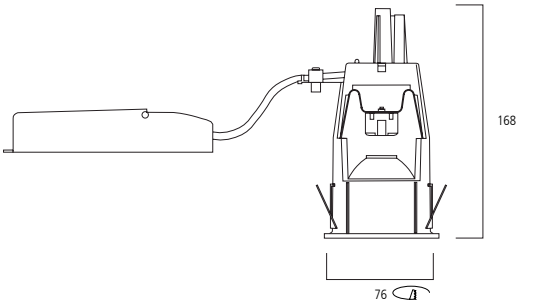
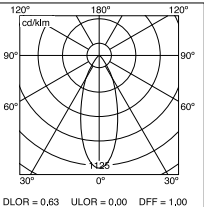
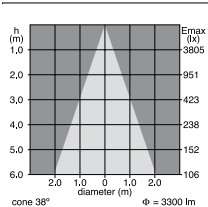


Housing Only*
Order Trim Separately

35W CMI-Tmini / CMH – Supermini Beam 38° **2049512** 0.44KG
* Requires Decorative Accessory - see page 19




CMI-Tmini/CDH-Supermini 6.5
35w
35w = 3300 lm





Kometa Ring



Bezel + Micro Glass Dish



Bezel + Floating Micro Glass Stack



Bezel + Cover Glas



Beze + Opal Dish



Bezel + Floating Clear Glass



Bezel + Metal Ring



Bezel + Kick Deflector



Bezel + Frosted Shallow Ring



Bezel + Frosted Deep Ring



Bezel + Blue Deep Ring



Bezel + Frosted Glow Ring

Bezel + Blue Glow Ring

Myriad V 20W/35W Downlight Accessories

- Compact high output downlight with a cut out of 76mm
- Luminaires complete with compact lightweight electronic control gear
- Robust twist and lock GU6.5 lamp base
- New range of Architectural accessories each providing a different lit dimension
- New completely flush plaster up accessory ring for clean ceiling lines and smooth finish

Decorative Accessories

	White	Satin Chrome	Bright Chrome	Gold
Kometa Ring	2049561	-	-	-
Bezel + Micro Glass Dish	2049563	-	2049564	-
Bezel + Floating Micro Glass Stack	2049565	-	2049566	-
Bezel + Cover Glass	2017359	2017358	2017357	2017356
Beze + Opal Dish	2017375	2017374	2017373	2019080
Bezel + Floating Clear Glass	2017401	2017400	-	-
Bezel + Metal Ring	2017378	2017377	-	-
Bezel + Kick Deflector	2017398	2017397	-	-
Bezel + Frosted Shallow Ring	2017362	2017361	2017360	-
Bezel + Frosted Deep Ring	2017369	2017367	2017365	2017364
Bezel + Blue Deep Ring	2017370	2017368	2017366	-
Bezel + Frosted Glow Ring	2017382	2017380	-	-



Plaster Up Accessory

2049569





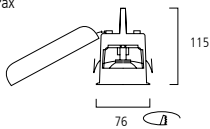
Myriad V 50 Downlight

 HID/LV  Mains  F  850°C  IP20  IP44 with decorative accessory



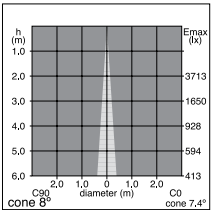
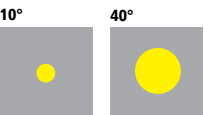
- Low glare housing options
- Shallow recess version 115mm for restricted ceiling voids
- New range of Architectural accessories each providing a different lit dimension
- Supplied complete with leading & trailing dimmable electronic transformer
- New completely flush plaster up accessory ring for clean ceiling lines and smooth finish
- **Supplied complete with Sylvania 12v 50W Low Pressure TH lamp**

QT12-LPax

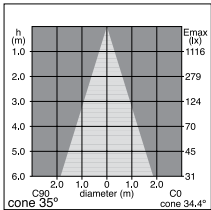


Complete Downlight - 115mm Shallow Housing
Comprises Housing, Transformer, Silver Reflector, White Bezel, Cover Glass

50W QT12-LPax	Beam 10°	2030600	0.27KG
50W QT12-LPax	Beam 40°	2030601	0.27KG

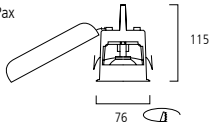


50W QT12-LPax 10°



50W QT12-LPax 40°

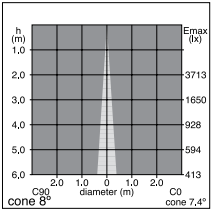
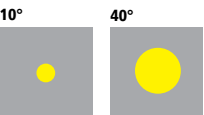
QT12-LPax



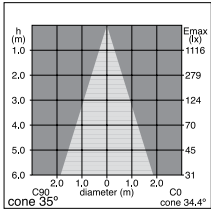
115mm Shallow Housing Only*
Order Trim Separately

50W QT12-LPax	Beam 10°	2029620	0.23KG
50W QT12-LPax	Beam 40°	2029621	0.23KG
50W QT12-LPax - Remote Emergency	Beam 40°	2030823	13.00KG

* Requires Decorative Accessory - see page 23

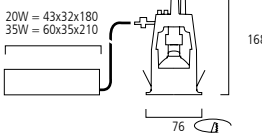


50W QT12-LPax 10°



50W QT12-LPax 40°

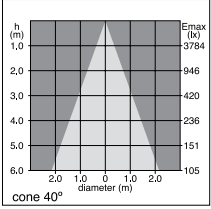
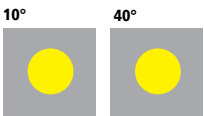
HIT-TC-TE



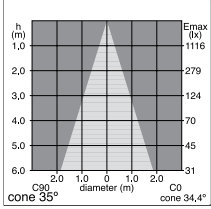
168mm Deep Housing Only*
Order Trim Separately

20W HIT-TC-CE	Beam 40°	2032132	0.44KG
35W HIT-TC-CE	Beam 40°	2029622	0.44KG
50W QT12-LPax	Beam 40°	2029625	0.23KG

* Requires Decorative Accessory - see page 23



35W HIT-TC-TE



50W QT12-LPax 40°

QT12-LPax 
50W
GY6.35
50W = 950 lm

CDM-TC/CMI-TC 
HIT-TC-CE
20/35W
G8.5
20W = 1700 lm
35W = 3400 lm



Kometa Ring



Bezel + Micro Glass Dish



Bezel + Floating Micro Glass Stack



Bezel + Cover Glas



Beze + Opal Dish



Bezel + Floating Clear Glass



Bezel + Metal Ring



Bezel + Kick Deflector



Bezel + Frosted Shallow Ring



Bezel + Frosted Deep Ring



Bezel + Blue Deep Ring



Bezel + Frosted Glow Ring

Myriad V 50 Downlight Accessories

- Low glare housing options
- Shallow recess version 115mm for restricted ceiling voids
- New range of Architectural accessories each providing a different lit dimension
- Supplied complete with leading & trailing dimmable electronic transformer
- New completely flush plaster up accessory ring for clean ceiling lines and smooth finish

Decorative Accessories	White	Satin Chrome	Bright Chrome	Gold
Kometa Ring	2049561	-	-	-
Bezel + Micro Glass Dish	2049563	-	2049564	-
Bezel + Floating Micro Glass Stack	2049565	-	2049566	-
Bezel + Cover Glass	2017359	2017358	2017357	2017356
Beze + Opal Dish	2017375	2017374	2017373	2019080
Bezel + Floating Clear Glass	2017401	2017400	-	-
Bezel + Metal Ring	2017378	2017377	-	-
Bezel + Kick Deflector	2017398	2017397	-	-
Bezel + Frosted Shallow Ring	2017362	2017361	2017360	-
Bezel + Frosted Deep Ring	2017369	2017367	2017365	2017364
Bezel + Blue Deep Ring	2017370	2017368	2017366	-
Bezel + Frosted Glow Ring	2017382	2017380	-	-



Metal Tile Ceiling Ring
Plaster Up Accessory

2009836
2049569





Myriad V Compact Downlight

⏚ ⚡ IP20 IP44 With Accessories

- Supplied complete with electronic control gear
- Compact Fluorescent low energy downlight
- Emergency version passes through the cut out
- Ideal for low level orientation lighting
- New range of Architectural accessories each providing a different lit dimension
- New completely flush plaster up accessory ring for clean ceiling lines and smooth finish
- **Order lamp separately**



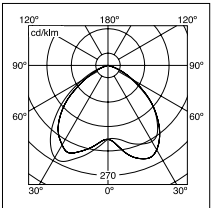
Housing Only*
Order Trim Separately

18W TC-TEL	2037234	0.22KG
18W TC-TEL - Remote Emergency	2037235	0.22KG

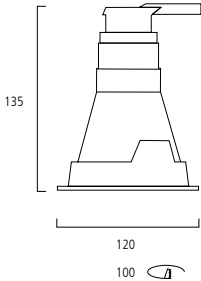
* Requires Decorative Accessory - see page 27



Lynx-TE/TC-TEL
18W
GX24q-2
18W = 1200 lm



DLOR=0.60



Myriad V Compact Downlight Accessories

- Supplied complete with electronic control gear
- Compact Fluorescent low energy downlight
- Emergency version passes through the cut out
- Ideal for low level orientation lighting
- New range of Architectural accessories each providing a different lit dimension



Kometa Ring



Bezel + Micro Glass Dish



Square Trim Frost Ring



Bezel + Cover Glas



Beze + Opal Dish



Bezel + Floating Clear Glass



Bezel + Metal Ring



Bezel + Frosted Deep Ring

Decorative Accessories

	White	Satin Chrome	Bright Chrome
Kometa Ring	2049562	-	-
Mini Glass Dish	2049603	-	2049604
Square Trim	2049567	-	2049568
Square Trim Blue Ring	2049607	-	2049608
Square Trim Frost Ring	2049605	-	2049606
Bezel only	2017415	2017414	-
Bezel + Cover Glass	2017419	2017418	-
Beze + Opal Dish	2017436	2017435	-
Bezel + Floating Clear Glass	2017453	-	-
Bezel + Metal Ring	-	2017438	-
Bezel + Frosted Deep Ring	2017430	2017428	2017426
Bezel + Spill Ring	2017447	-	-



Square Trim



Metal Tile Ceiling Ring
Plaster Up Accessory

2010437
2049570



Myriad V Myriad 50 Emergency

Three luminaires in the range are available with emergency options, these are supplied as a complete pack consisting of the Myriad 50 housing, a 50w transformer and 3 hour battery pack. The LED indicator supplied should be positioned alongside the luminaire and monitors both battery charging and lamp filament condition.

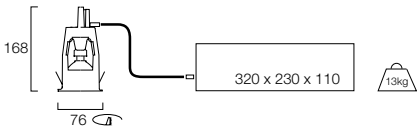
- **REMEMBER: Order the bezel required in addition to the emergency luminaire pack**
- The battery pack does **NOT** fit through the luminaire cut-out. Access to the ceiling void is required in order to install the pack which is relatively large (320 x 230 x 110mm) and heavy (13kg) as it is designed to run a 50w lamp for 3 hours in the event of mains failure. Hence it may not be suitable for all applications. Other emergency products such as the RouteLED LED can be used if there is no access to the ceiling void.



Myriad 50 – Low Glare Housing Emergency
Order Bezel separately see page 24

50w QT12-LPax Silver Reflector
Includes: 168mm deep Myriad 50 housing c/w
50w transformer and 3hr battery pack

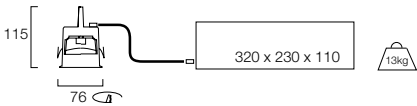
2030824



Myriad 50 – For Shallow Ceiling Voids Emergency
Order Bezel separately see page 24

50w QT12-LPax Silver Reflector
Includes: 115mm deep Myriad 50 housing c/w
50w transformer and 3hr battery pack

2030823



Myriad V Myriad Compact Emergency

Myriad Compact emergency is supplied as a complete pack consisting of the Myriad Compact housing, invertor, LED indicator and 3hr battery pack in two parts which passes through the luminaire cut-out.

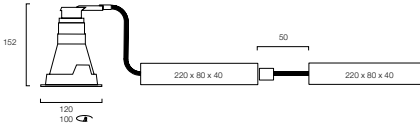
- **REMEMBER: Order the bezel required in addition to the emergency luminaire pack**



Myriad 50 – Myriad Compact Emergency
Order Bezel separately see page 27

18w TC-TEL Includes: 135mm deep Myriad Compact housing
c/w invertor and 3hr battery pack

2037235



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