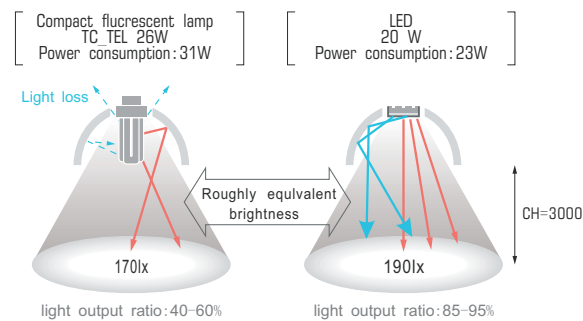


## EVOLUTION LED DOWNLIGHT SERIES

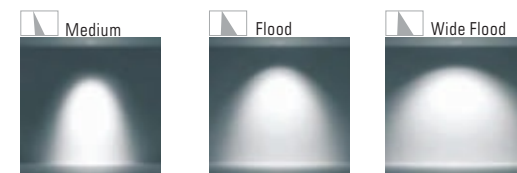


### High-efficiency light fixtures

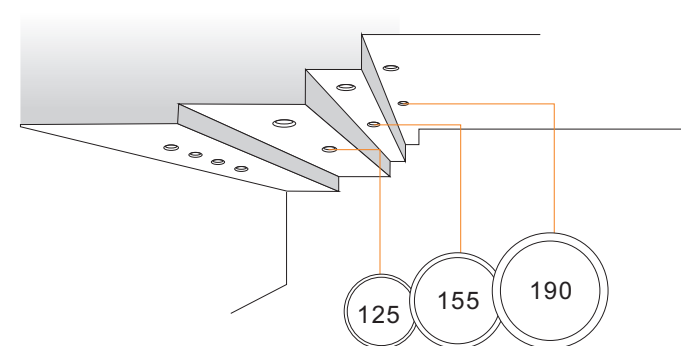
Since the LED array models are made to install flat inside the reflector. It is deep enough to provide a large glare cutoff angle, uneven lighting can occur due to the characteristics of multiple LED Array. The incorporation of a down light distribution control lens provide illumination that does not produce an unappealing scallop effect when the light is projected close to the wall.



Our proprietary optical reflector produces an appealing light.



The next generation of ARCO, EVOLUTION series. Light form EVOLUTION series has an total efficiency that give higher uniformity with higher performance ever. VMETAL's newly designed reflector by relising 85% of the primary beam that eliminated the cause of secondary beam which cause light lost. Thanks with numbers of lamps and beam angles that made EVOLUTION Series passable for all application space in all commercial and Architectural use.



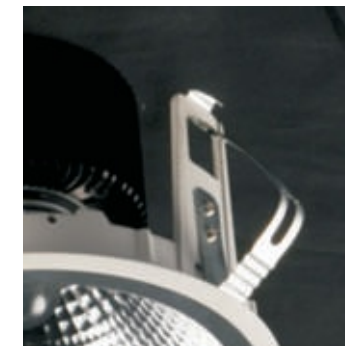
VMETAL frame design maintains beautiful proportionality in any space.

In most cases, downlights of different sizes and with different light sources are used for ceilings of different high. By using similar diameter, cone rib, and trim width ratios for different series models. VMETAL has made it possible to endow spaces with a greater feeling of consistency.

### Refined design features ensure ease of use

#### IOS with High degree of safety

Reflector with safety glass can be removed with a simple pull out / snap on while the frame is installed on the ceiling which simplifying lamp replacement and maintenance. The easy snap on design also proved with ultra strong hold that avoiding failing from vibration form air ventilation or other vibrations.



#### Simple and reliable one-touch

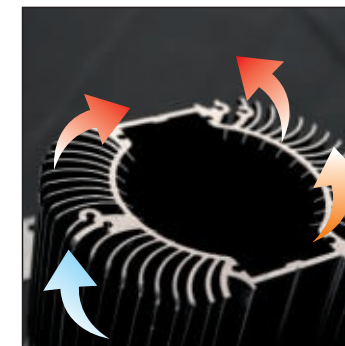
Mounting spring system an integrated clip on the fixture enables secure, one-touch installation, eliminating the Need of tighten screws. Best of all the process requires no additional parts. So you don't need to worry about losing anchors or clips.



#### E-Mantance (ISS)

An unique design that fix most of VMETAL's LED downlight called interchangeable socket system (ISS) that made it passable for quick and easy maintenance of LED modules. At this stage our ISS system are compatible with full range, such as CREE, BRIDGELUX and CITIZEN Array LED modules.

Best of all, the installation require no soldering or screw so it is extremely friendly to work with can be easierly installed at any places.



#### Outstanding cooling system offers high degrees of safety

The high performance heat sink system dissipates internal heat while minimizing light Leakage to prevent lamp and fixture damage. They for when operating temperature heat has been minimized, the lamps are guaranteed for it maximum lifetime. The design also prevents the accumulation of dirt around the frame due to convection currents caused by rising hot air.



#### Double-Wall construction heat sink

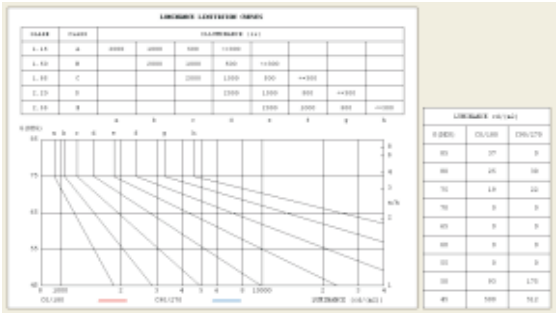
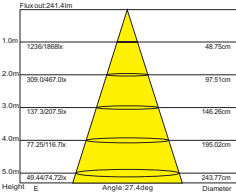
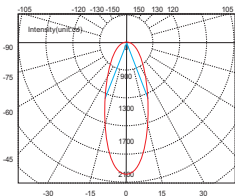
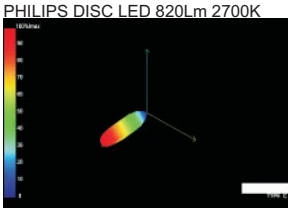
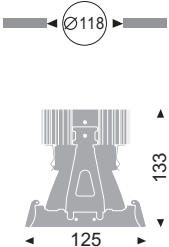
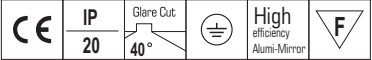
VMETAL's Double-wall construction serves as a cooling system designed to dissipate heat form the LED, also providing maximum Air flow from the entire operation caused by rising hot air. When the operation temperature has been minimized, and the LED are guaranteed for it's maximum life time.



PHILIPS DISC LED 820Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.3 kg

PHILIPS

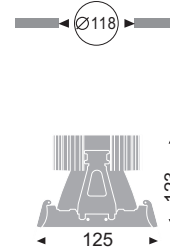
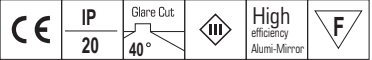


CREE LED CXA2011 2000Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.3 kg

ISS INTERCHANGEABLE SOCKET SYSTEM

CREE



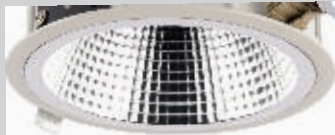
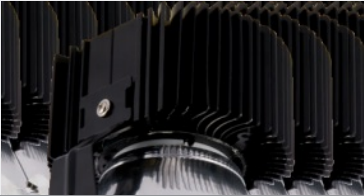
Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1210-W/B/S + XXX	XXX	XXX	1000	32	32
Flood	EVL1211-W/B/S + XXX	XXX	XXX	1000	32	32

White Black Silver





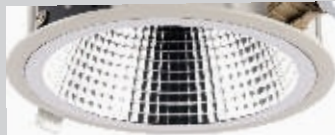
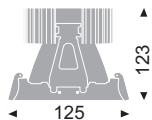
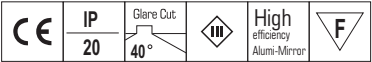


**CITIZEN LED CLL030 2000Lm MAX**

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.3 kg

**ISS** INTERCHANGEABLE  
SOCKET SYSTEM

**CITIZEN**

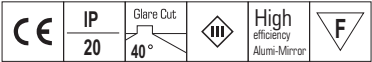


**BRIDGELUX LED 2000Lm MAX**

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.3 kg

**ISS** INTERCHANGEABLE  
SOCKET SYSTEM

**BRIDGELUX**



Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1220-W/B/S + XXX	XXX	XXX	960	36.6	42.8
Flood	EVL1221-W/B/S + XXX	XXX	XXX	960	36.6	42.8

White Black Silver



Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1230-W/B/S + XXX	XXX	XXX	700	37.4	26.2
Flood	EVL1231-W/B/S + XXX	XXX	XXX	700	37.4	26.2

White Black Silver

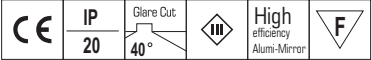




TRIDONIC SLE LED 2500Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.3 kg

TRIDONIC



Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1240-W/B/S + XXX	XXX	XXX	1050	29.4	30.9
Flood	EVL1241-W/B/S + XXX	XXX	XXX	1050	29.4	30.9

White Black Silver



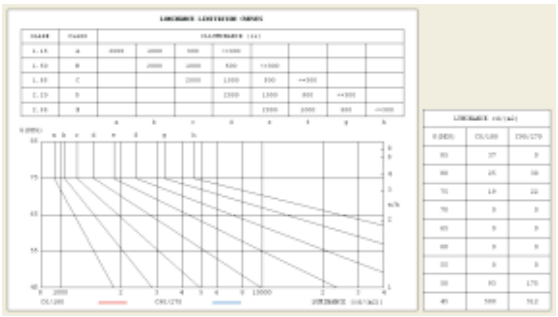
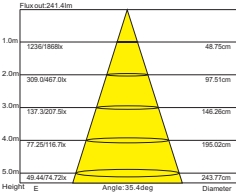
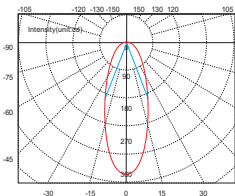
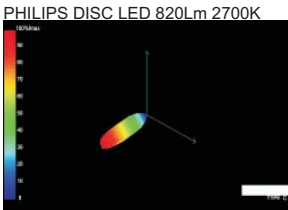
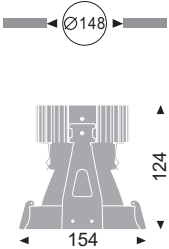
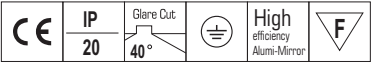




PHILIPS DISC LED 820Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.4 kg

PHILIPS

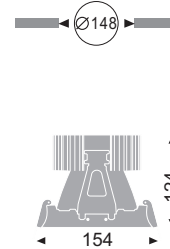
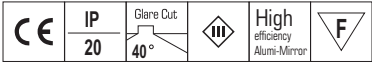


CREE LED CXA2011 2500Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.4 kg

ISS INTERCHANGEABLE SOCKET SYSTEM

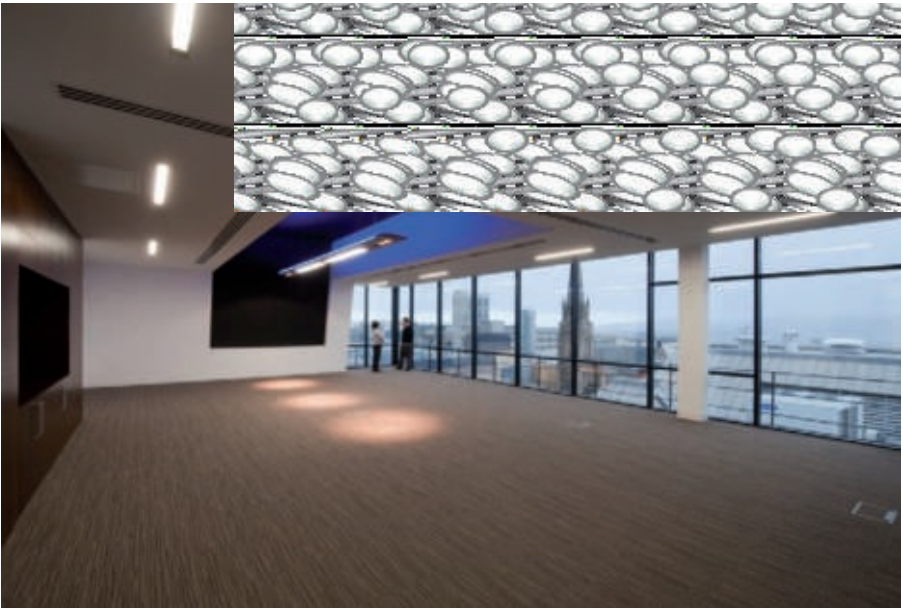
CREE



Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1510-W/B/S + XXX	XXX	XXX	1000	32	32
Flood	EVL1511-W/B/S + XXX	XXX	XXX	1000	32	32

White Black Silver



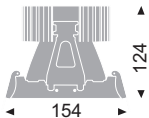
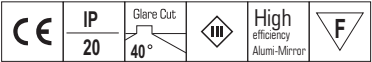


CITIZEN LED CLL030 2000Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.4 kg

ISS INTERCHANGEABLE  
SOCKET SYSTEM

CITIZEN

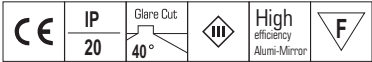


BRIDGELUX LED 2000Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.4 kg

ISS INTERCHANGEABLE  
SOCKET SYSTEM

BRIDGELUX



Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1520-W/B/S + XXX	XXX	XXX	960	36.6	42.8
Flood	EVL1521-W/B/S + XXX	XXX	XXX	960	36.6	42.8

White Black Silver



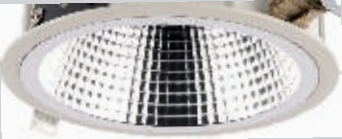
Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1530-W/B/S + XXX	XXX	XXX	700	37.4	26.2
Flood	EVL1531-W/B/S + XXX	XXX	XXX	700	37.4	26.2

White Black Silver



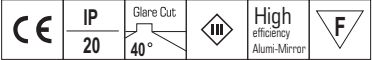




TRIDONIC SLE LED 2500Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.4 kg

TRIDONIC



Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1540-W/B/S + XXX	XXX	XXX	1050	29.4	30.9
Flood	EVL1541-W/B/S + XXX	XXX	XXX	1050	29.4	30.9

White Black Silver

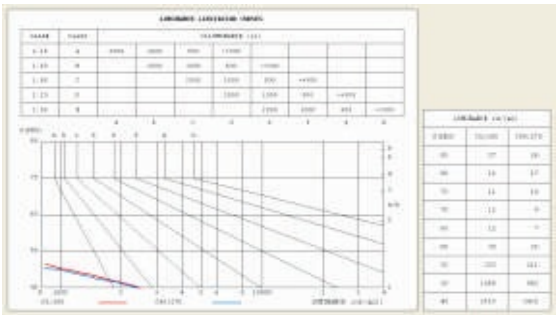
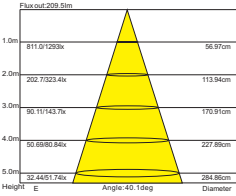
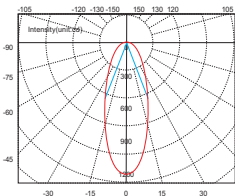
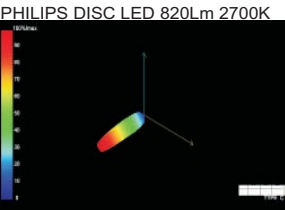
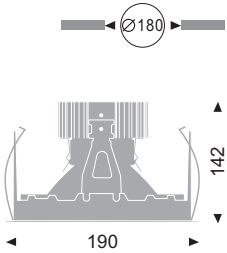
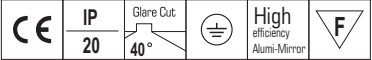




PHILIPS DISC LED 820Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.52 kg

PHILIPS

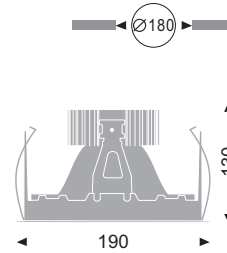
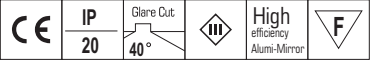


CREE LED CXA2011 2500Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.52 kg

ISS INTERCHANGEABLE SOCKET SYSTEM

CREE



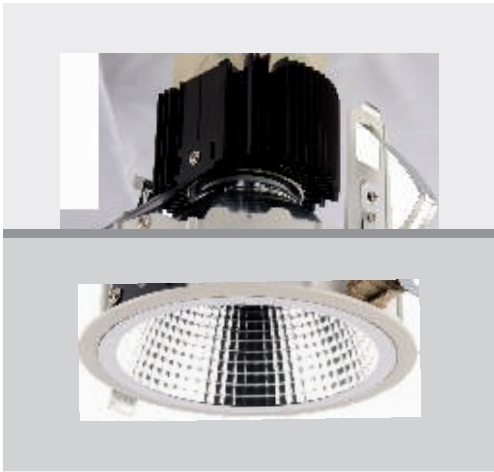
Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1910-W/B/S + XXX	XXX	XXX	1000	32	32
Flood	EVL1911-W/B/S + XXX	XXX	XXX	1000	32	32

White Black Silver





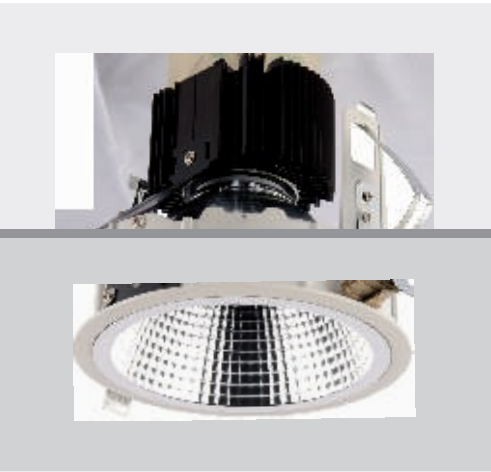
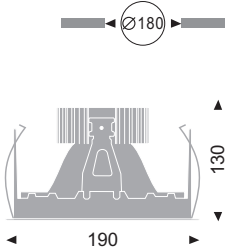
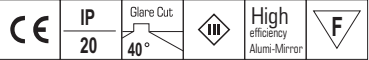


CITIZEN LED CLL030 2500Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.52 kg

ISS INTERCHANGEABLE  
SOCKET SYSTEM

CITIZEN

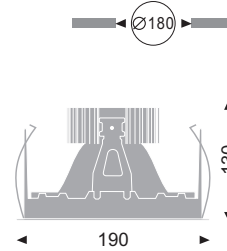
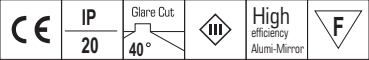


BRIDGELUX LED 2500Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.52 kg

ISS INTERCHANGEABLE  
SOCKET SYSTEM

BRIDGELUX



Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1920-W/B/S + XXX	XXX	XXX	1750	36.6	64.2
Flood	EVL1921-W/B/S + XXX	XXX	XXX	1750	36.6	64.2

White Black Silver

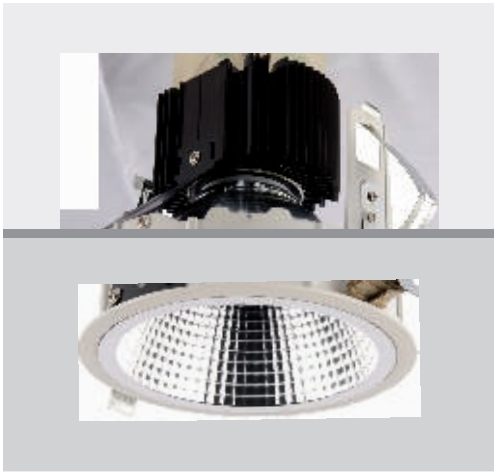


Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECSIFICATION		
				[mA]	[V]	[W]
Medium	EVL1930-W/B/S + XXX	XXX	XXX	700	37.4	26.2
Flood	EVL1931-W/B/S + XXX	XXX	XXX	700	37.4	26.2

White Black Silver

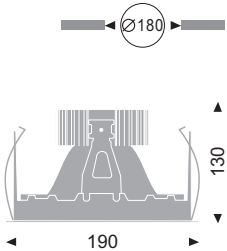
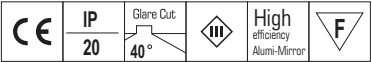




TRIDONIC SLE LED 2500Lm MAX

Trim : Die-cast aluminium  
Body : Die-cast aluminium  
Housing : 1.2mm Steel-matt black paint  
Reflector : 99.98%pure anodised aluminium  
Weight: 0.52 kg

TRIDONIC



Available optics:

	ORDERING CODE	LED MODULES	DRIVER MODEL	DRIVER SPECIFICATION		
				[mA]	[V]	[W]
Medium	EVL1940-W/B/S + XXX	XXX	XXX	1050	29.4	30.9
Flood	EVL1941-W/B/S + XXX	XXX	XXX	1050	29.4	30.9

White Black Silver



Upgraders Energi

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