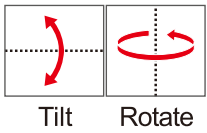




MARS SERIES ADJUSTABLE PROJECTOR  
LED DOWNLIGHT

MARS Series



Product features

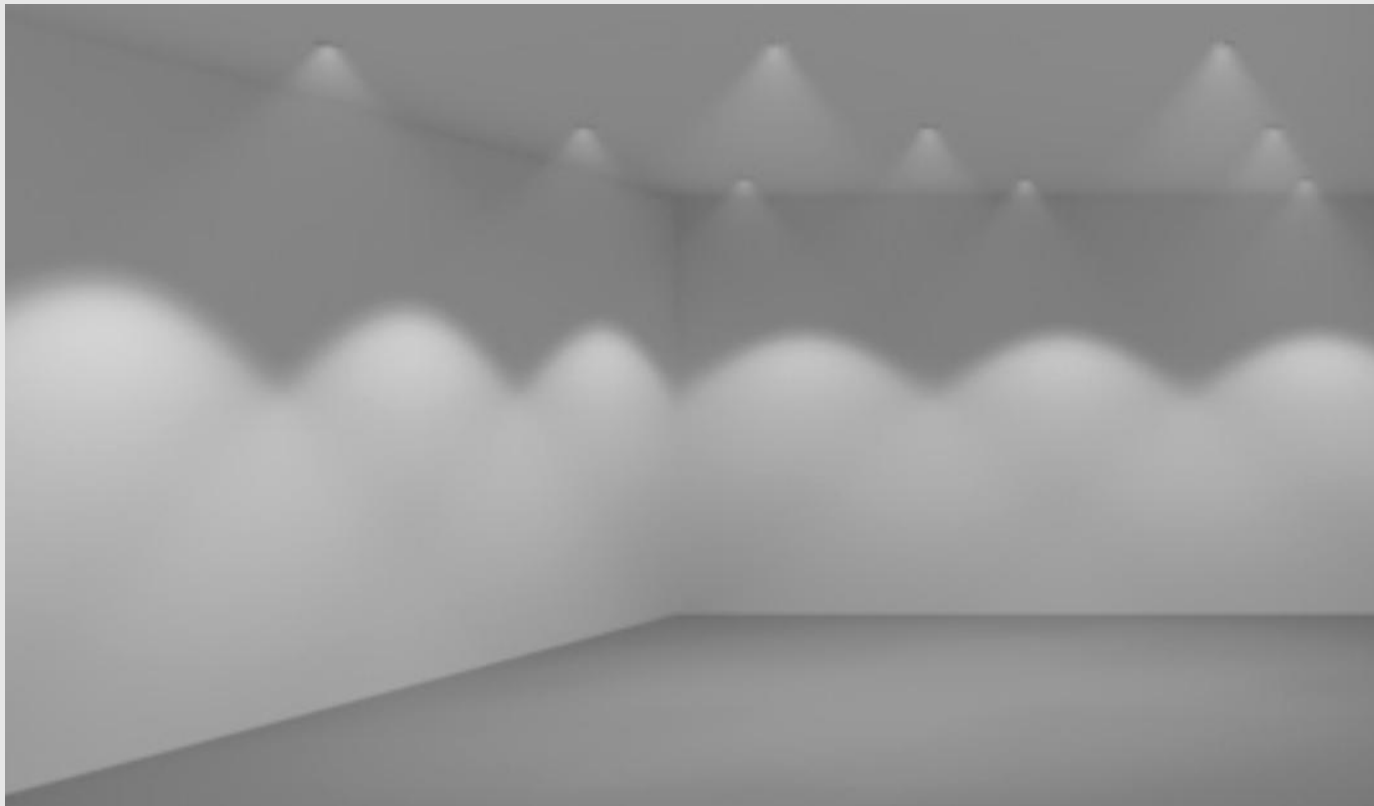
The MARS round recessed spotlights help you expertly accentuate individual areas or objects. The recessed floodlights, meanwhile, direct the attention of the observer onto your shelves and product tables. The luminaires integrate elegantly with the room architecture, their large swivel range enables you to reach even far corners of the room. The MARS system design facilitates a flexible lighting concept as a unified whole. Combine spotlights and floodlights with each other or with the MARS downlights. Select the appropriate mounting details and lamps. Whatever your choice, the result is always a highly efficient lighting system meeting the highest standards of light quality

Range of Application

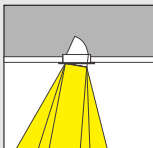
Commercial  
Residential  
Architectural  
Museum / Art gallery



MARS SERIES ADJUSTABLE PROJECTOR  
LED DOWNLIGHT



**Accentuation**  
Emphasis of objects or architectural elements.



**Recessed spotlights**  
Narrow to wide beam, Rotateally symmetrical light distribution for accent lighting.

**LED**  
Wattage:16-38W  
Lumen:1281-3147lm  
Light distribution:  
Narrow  
Medium  
Flood



Suitable for indoor use



Protection level is IP20



High efficiency Reflector



Comply with CE certification



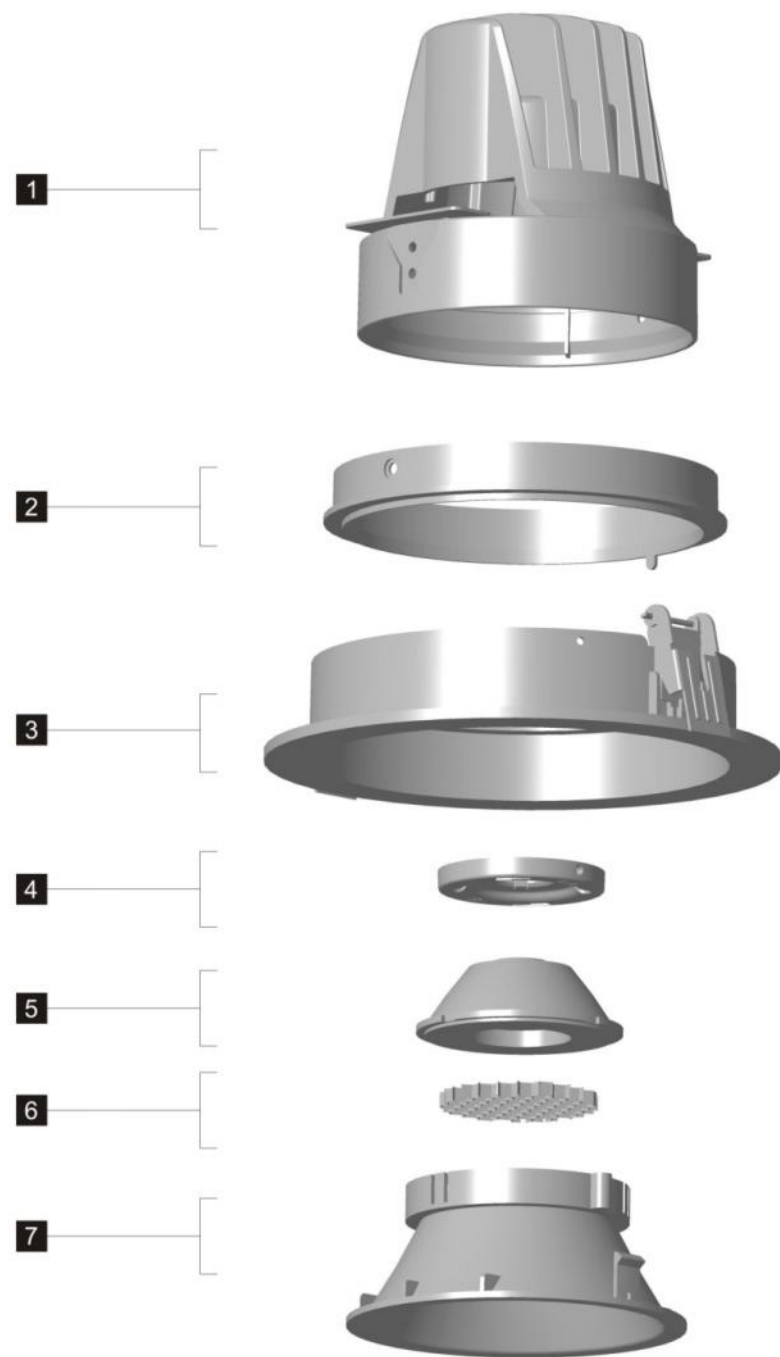
The electrical grade is class2



CRI>80(standard)  
CRI>90(optional)



MARS SERIES ADJUSTABLE PROJECTOR  
LED DOWNLIGHT



Exploded  
view

- 1 Hardware embedded parts
- 2 LED optical module
- 3 Ring
- 4 Connector

- 5 The main light frame
- 6 Optical accessories (glass, honey comb)
- 7 Secondary optical reflector cup



MARS SERIES ADJUSTABLE PROJECTOR  
LED DOWNLIGHT



Reliable ceiling  
mounting system

Mounting spring system and 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.



High efficiency  
dissipation heat sink

MARS housing body construction serves as a cooling system designed to dissipate heat faster from the LED, also providing maximum air flow from the entire operation caused by rising hot air. When the operation temperature has been minimized the LED are guaranteed for it's maximum life time and performance.



Interchangeable  
Socket System (ISS)

Simple solderless interchangeable socket system (ISS) that make it possible for quick and easy maintenance of LED/COB modules. The ISS system is compatible with most popular brands COB such like, Philips , Osram , Tridonic , Citizen & CREE. ISS has an special locking that made it possible to add other accessories or secondary optics. Best of all installation are simple and extremely friendly to apply.



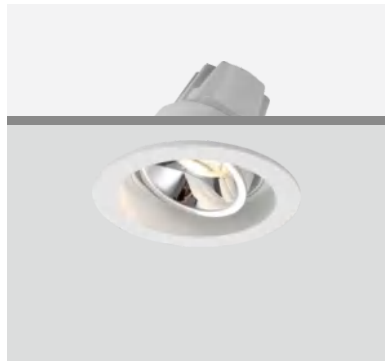
Angle of adjustment

Smooth mechanical structure that tilt 30° on both side and an swing angle of 355° that has an intergrated ratchets. The ratchets structure improve the rotational smoothness and give an quality feel and sound when it rotates.



MARS SERIES SMALL ADJUSTABLE PROJECTOR  
LED DOWNLIGHT

135



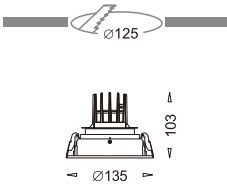
IP20 | CE | CB | | |

Trim: Die-cast aluminium  
Body: Die-cast aluminium  
Housing: Die-cast aluminium  
Optic: High efficiency Reflector  
Weight: 0.4kg  
CTN: 36PCS

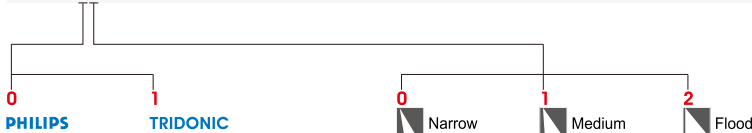
**IO5** INTERCHANGABLE OPTICAL SYSTEM See P.012

White Black Silver

Note: min 80mm(ceiling clearance)



ORDERING CODE	Power (W)	Beam Angle (°)	CCT (K)	Hot Lumen (Lm)	LOR (%)	UGR	On/Off	DRIVER 1-10V	DALI	Triac
CMRS1300-W/B/S-830	16	20	3000	1281	82%	<19	✓	✓	✓	✓
CMRS1300-W/B/S-840			4000	1450						
CMRS1300-W/B/S-850			5000	1480						
CMRS1301-W/B/S-830	16	40	3000	1221	80%	<19	✓	✓	✓	✓
CMRS1301-W/B/S-840			4000	1415						
CMRS1301-W/B/S-850			5000	1444						
CMRS1302-W/B/S-830	16	55	3000	1191	78%	<19	✓	✓	✓	✓
CMRS1302-W/B/S-840			4000	1379						
CMRS1302-W/B/S-850			5000	1407						



Optical accessories See P.012

PHILIPS SLM C 830 1203 L09 G1

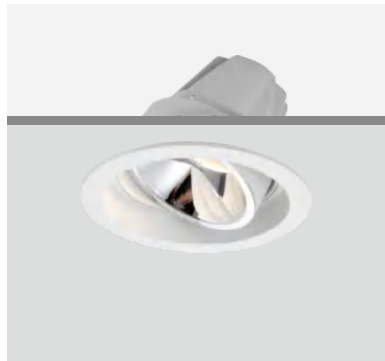
3000K

h(m)	E(lx)	D(mm)	h(m)	E(lx)	D(mm)	h(m)	E(lx)	D(mm)
<b>20°</b>			<b>40°</b>			<b>55°</b>		
1.0	5056	380	1.0	2757	660	1.0	1790	940
2.0	1264	760	2.0	689	1310	2.0	447	1870
3.0	561	1140	3.0	306	1970	3.0	198	2810



MARS SERIES MEDIUM ADJUSTABLE PROJECTOR  
LED DOWNLIGHT

155



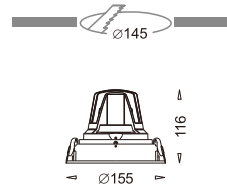
IP20 | CE | CB | | |

Trim: Die-cast aluminium  
Body: Die-cast aluminium  
Housing: Die-cast aluminium  
Optic: High efficiency Reflector  
Weight: 0.60kg  
CTN: 18PCS

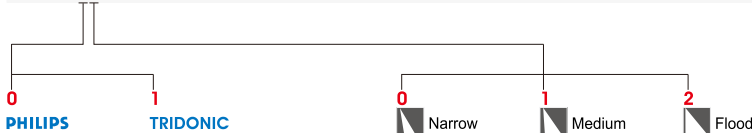
**IO5** INTERCHANGABLE OPTICAL SYSTEM See P.012

White Black Silver

Note: min 80mm(ceiling clearance)



ORDERING CODE	Power (W)	Beam Angle (°)	CCT (K)	Hot Lumen (Lm)	LOR (%)	UGR	On/Off	DRIVER 1-10V	DALI	Triac
CMRS1600-W/B/S-830	32	20	3000	2411	84%	<19	✓	✓	✓	✓
CMRS1600-W/B/S-840			4000	2698						
CMRS1600-W/B/S-850			5000	2752						
CMRS1601-W/B/S-830	32	40	3000	2398	84%	<19	✓	✓	✓	✓
CMRS1601-W/B/S-840			4000	2690						
CMRS1601-W/B/S-850			5000	2750						
CMRS1602-W/B/S-830	32	55	3000	2392	84%	<19	✓	✓	✓	✓
CMRS1602-W/B/S-840			4000	2680						
CMRS1602-W/B/S-850			5000	2730						



Optical accessories See P.012

PHILIPS SLM C 830 1205 L12 G1

3000K

h(m)	E(lx)	D(mm)	h(m)	E(lx)	D(mm)	h(m)	E(lx)	D(mm)
<b>20°</b>			<b>40°</b>			<b>55°</b>		
1.0	8617	380	1.0	4910	660	1.0	3201	1040
2.0	2154	760	2.0	1227	1320	2.0	800	2080
3.0	957	1140	3.0	545	1980	3.0	355	3120



MARS SERIES LARGE ADJUSTABLE PROJECTOR  
LED DOWNLIGHT

185



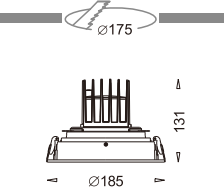
IP20 | CE | CB |

Trim: Die-cast aluminium  
Body: Die-cast aluminium  
Housing: Die-cast aluminium  
Optic: High efficiency Reflector  
Weight: 0.80kg  
CTN: 12PCS

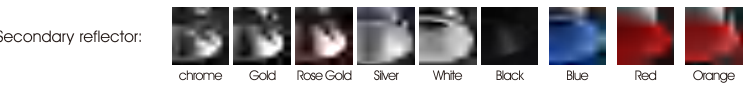
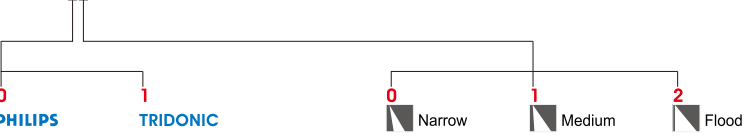
**IO5** INTERCHANGABLE OPTICAL SYSTEM See P.012

White Black Silver

Note: min 80mm(ceiling clearance)



ORDERING CODE	Power (W)	Beam Angle (°)	CCT (K)	Hot Lumen (Lm)	LOR (%)	UGR	On/Off	DRIVER 1-10V	DALI	Triac
CMRS1900-W/B/S-830	38	20	3000	3147	84%	<19	✓	✓	✓	✓
CMRS1900-W/B/S-840			4000	3586						
CMRS1900-W/B/S-850			5000	3534						
CMRS1901-W/B/S-830	38	40	3000	3089	83%	<19	✓	✓	✓	✓
CMRS1901-W/B/S-840			4000	3544						
CMRS1901-W/B/S-850			5000	3492						
CMRS1902-W/B/S-830	38	55	3000	3042	82%	<19	✓	✓	✓	✓
CMRS1902-W/B/S-840			4000	3501						
CMRS1902-W/B/S-850			5000	3450						



Optical accessories See P.012

PHILIPS SLM C 830 1208 L14 G1				3000K			
	h(m)	E(lx)	D(mm)		h(m)	E(lx)	D(mm)
20°	1.0	11098	400	40°	1.0	5431	800
	2.0	2774	790		2.0	1357	1590
	3.0	1233	1190		3.0	603	2390
	h(m)	E(lx)	D(mm)		h(m)	E(lx)	D(mm)
55°	1.0	4136	1010	55°	1.0	4136	1010
	2.0	1034	2010		2.0	1034	2010
	3.0	459	3020		3.0	459	3020

