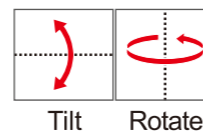


DS (DOWN & SPOT) SERIES Extractable

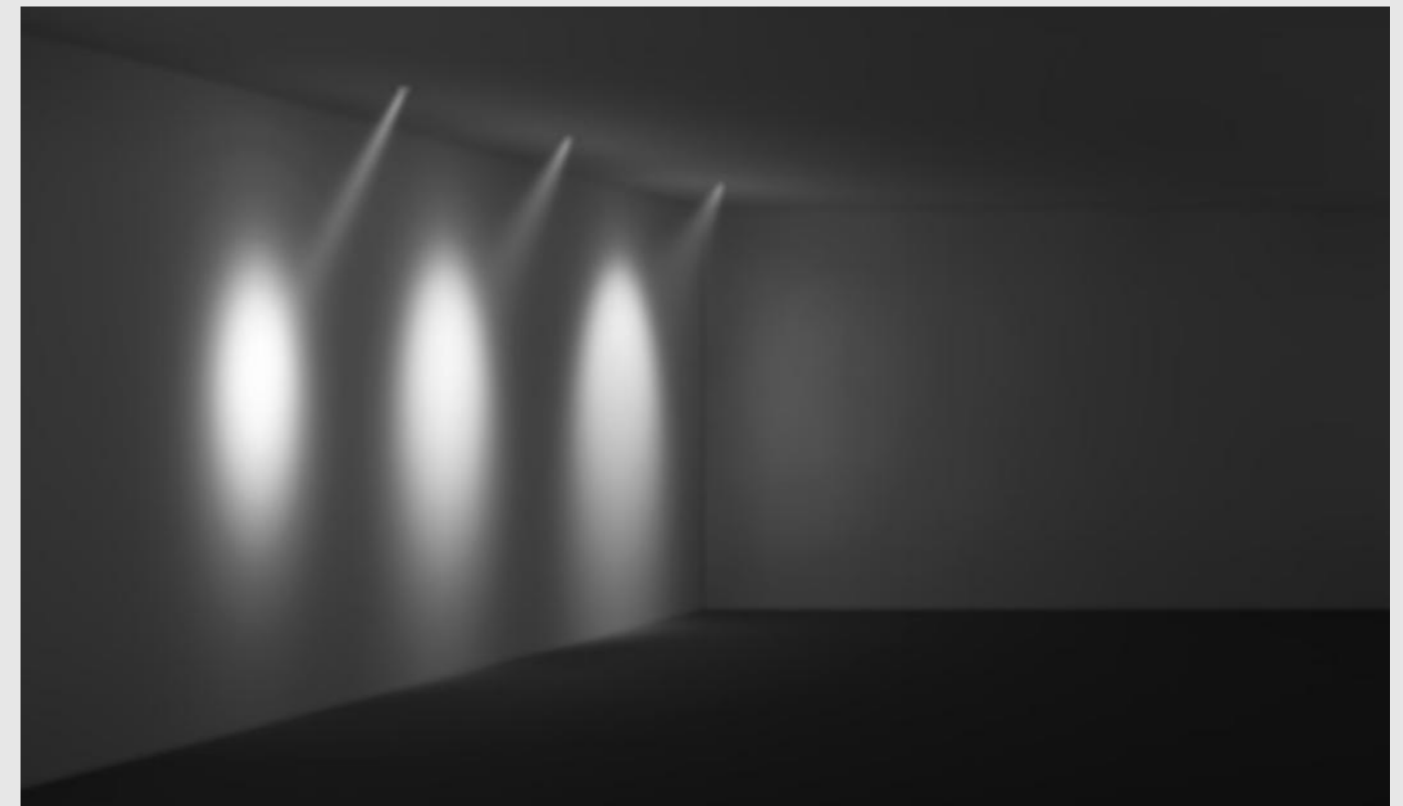


Product features

With the DS recessed luminaire, Clear lines, brilliant light and precise light distributions set this luminaire apart as the ideal lighting tool for shops and museums. In high and low rooms, different sizes and shallow recess depths facilitate the integration into the ceiling. Thanks to the tiltable and rotatable luminaire head, the recessed spotlight can be adjusted individually. The highly efficient system consisting of collimating and interchangeable optical system (IO5) provides the designer with a wide variety of light distributions – be it for precise accent lighting using narrow spot, the washlighting of horizontal product displays with oval flood or the uniform illumination of shelves using wallwashing.

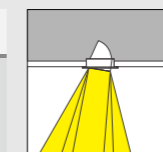
Range of Application

Commercial
Residential
Architectural
Museum / Art gallery



Accentuation

Emphasis of objects or architectural elements.



Recessed spotlights

Narrow to wide beam, Rotatable symmetrical light distribution for accent lighting.

LED

Wattage:22-50W
Lumen:1407-3500lm
Light distribution:
Narrow
Medium
Flood



Suitable for indoor use



Protection level is IP20



High efficiency Reflector



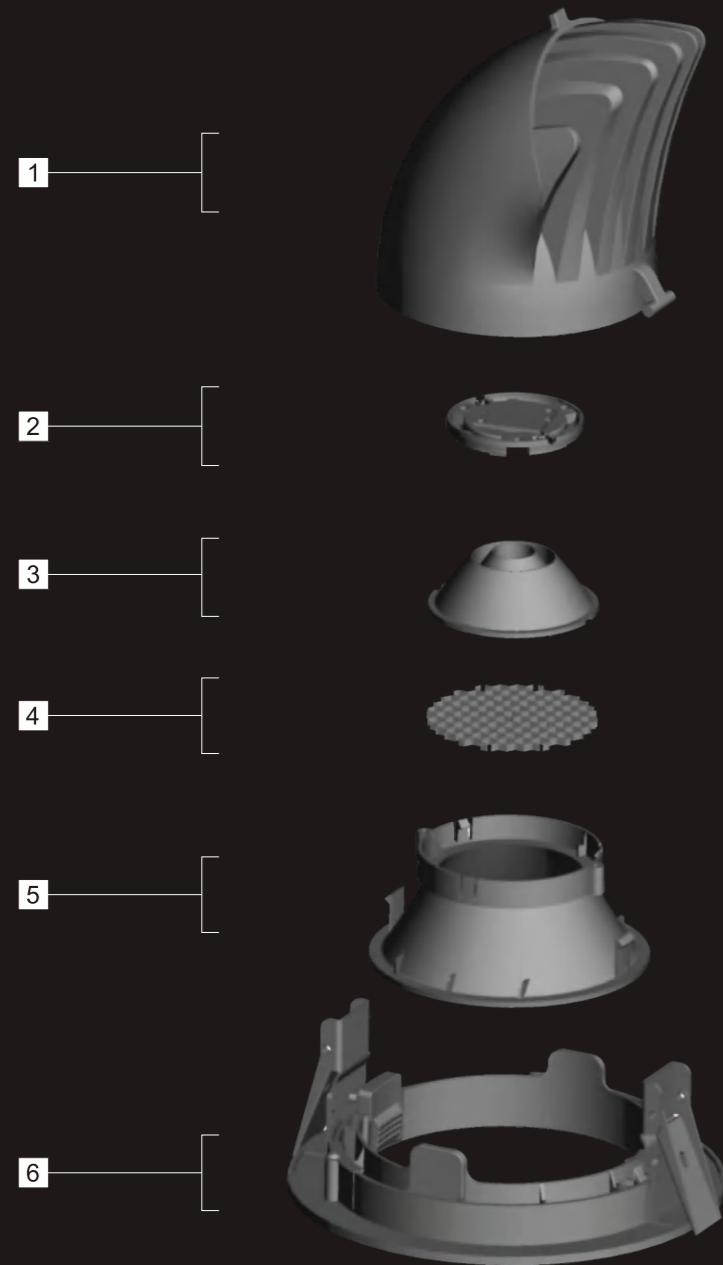
Comply with CE certification



The electrical grade is class2



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



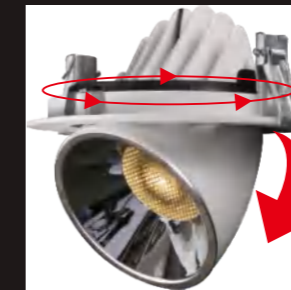
Exploded view

- 1 Radiator
- 2 Solder less connector
- 3 Primary optics
- 4 honeycomb
- 5 Secondary optical reflector cup
- 6 Front Ring



DARK LIGHTS

Dark light DS extractable downlight IO5 optical technology design with a light that is absolutely glare free by the human visual point. It's a top level of reflector technology that offer maximum visual comfort together with maximum light out put.



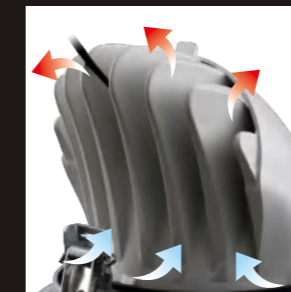
Angle of adjustment

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.



Reliable ceiling mounting system

Mechanical mounting spring with integrated clip on the fixture enables easy installation that eliminating the need of removing optics or tighten screws. Best of all the process requires no additional parts, So you don't need to worry about losing anchors or clips.



Multi wall construction heat sink

DS 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.

DS SERIES SMALL EXTRACTABLE PROJECTOR LED DOWNLIGHT

135



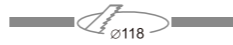
IP20 | CE | CB |

Trim: Die-cast aluminium
Body: Die-cast aluminium
Housing: Die-cast aluminium
Optic: High efficiency Reflector
Weight: 0.48kg
CTN: 36PCS

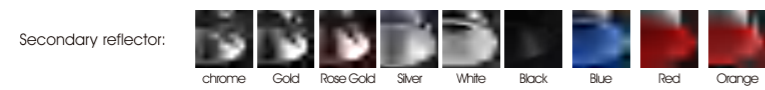
IOS INTERDIGRESSIVE OPTICAL SYSTEM See P.012

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
DS1300-W/B/S-830	22	20	3000	1645	83%	<19	✓	✓	✓	✓
DS1300-W/B/S-840			4000	1800						
DS1300-W/B/S-850			5000	1812						
DS1301-W/B/S-830	22	40	3000	1636	83%	<19	✓	✓	✓	✓
DS1301-W/B/S-840			4000	1800						
DS1301-W/B/S-850			5000	1816						
DS1302-W/B/S-830	22	55	3000	1591	81%	<19	✓	✓	✓	✓
DS1302-W/B/S-840			4000	1756						
DS1302-W/B/S-850			5000	1769						



Optical accessories See P.012

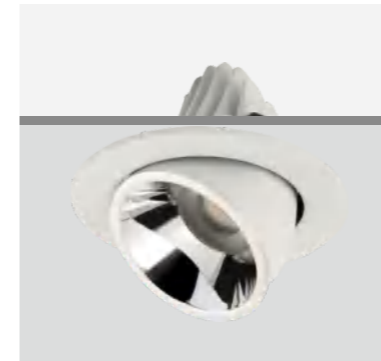
PHILIPS SLM C 830 1203 L09 G1

3000K

Beam Angle	h(m)	E(lx)	D(mm)
20°	1.0	6239	380
	2.0	1559	760
	3.0	693	1140
40°	1.0	3697	650
	2.0	924	1300
	3.0	410	1960
55°	1.0	2466	940
	2.0	616	1890
	3.0	274	2830

DS SERIES MEDIUM EXTRACTABLE PROJECTOR LED DOWNLIGHT

160



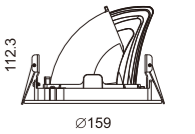
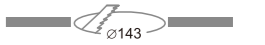
IP20 | CE | CB |

Trim: Die-cast aluminium
Body: Die-cast aluminium
Housing: Die-cast aluminium
Optic: High efficiency Reflector
Weight: 0.79kg
CTN: 18PCS

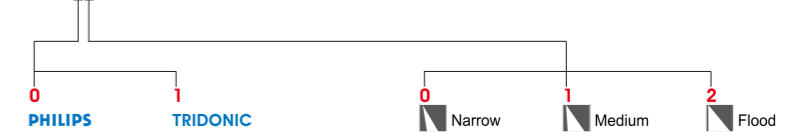
IOS INTERDIGRESSIVE OPTICAL SYSTEM See P.012

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
DS1600-W/B/S-830	32	20	3000	2499	85%	<19	✓	✓	✓	✓
DS1600-W/B/S-840			4000	2731						
DS1600-W/B/S-850			5000	2785						
DS1601-W/B/S-830	32	40	3000	2441	84%	<19	✓	✓	✓	✓
DS1601-W/B/S-840			4000	2698						
DS1601-W/B/S-850			5000	2752						
DS1602-W/B/S-830	32	55	3000	2402	80%	<19	✓	✓	✓	✓
DS1602-W/B/S-840			4000	2602						
DS1602-W/B/S-850			5000	2654						



Optical accessories See P.012

PHILIPS SLM C 830 1205 L12 G1

3000K

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

DS SERIES LARGE EXTRACTABLE PROJECTOR
LED DOWNLIGHT

190



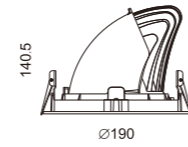
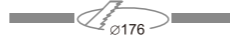
IP20 | CE | CB |

Trim: Die-cast aluminium
Body: Die-cast aluminium
Housing: Die-cast aluminium
Optic: High efficiency Reflector
Weight: 1.12kg
CTN: 12PCS

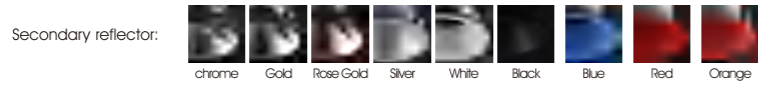
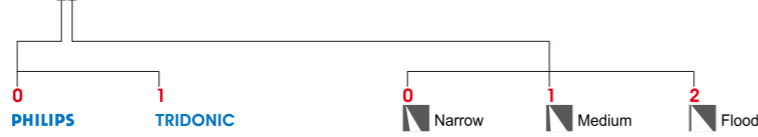
IOS INTERCHANGABLE OPTICAL SYSTEM See P.012

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
DS1900-W/B/S-830	50	20	3000	4105	85%	<19	✓	✓	✓	✓
DS1900-W/B/S-840			4000	4481						
DS1900-W/B/S-850			5000	4501						
DS1901-W/B/S-830	50	40	3000	3836	80%	<19	✓	✓	✓	✓
DS1901-W/B/S-840			4000	4217						
DS1901-W/B/S-850			5000	4236						
DS1902-W/B/S-830	50	55	3000	3820	80%	<19	✓	✓	✓	✓
DS1902-W/B/S-840			4000	4217						
DS1902-W/B/S-850			5000	4236						



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)	h(m)	E(lx)	D(mm)
20°			40°			55°		
1.0	15111	390	1.0	6903	780	1.0	4881	1050
2.0	3777	780	2.0	1725	1560	2.0	1220	2100
3.0	1679	1180	3.0	767	2340	3.0	542	3150

