

LED DOWNLIGHTS



ADVANTAGES OF VS LED DOWNLIGHTS

LED Recessed Mounted Downlight and DecoLEDs

The integration of solid state lighting technology into conventional down lights provides optimal light distribution and extended life time, all at an affordable price. LED downlights are fully compatible with existing conventional downlight infrastructure, and are the perfect choice for both new and replacement markets.

■ PRO SERIES

- Slim design for easy installation in low false ceiling
- Integrated driver, direct connection to mains without additional connectors and/or junction box
- Dimmable with regular phase-cut dimmer

■ PRIME SERIES

- Very high efficiency of up to 100 lm/W
- Slim design for easy installation in low false ceiling
- High CRI ≥ 90
- Dimmable with external dimmable drivers



Pro Series

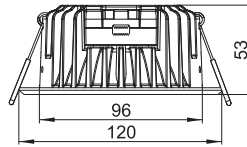
12 W / 18 W

Voltage supply: 220-240 V AC
 Integrated dimmable driver for direct connection to mains voltage
 Allowed operating temperature: -10 to 50 °C
 Allowed storage temperature: -10 to 50 °C
 Screw terminals: 2.5 mm²
 Quantity of screw terminals: 1x2-poles primary

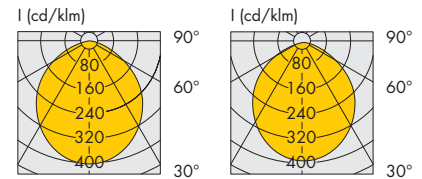
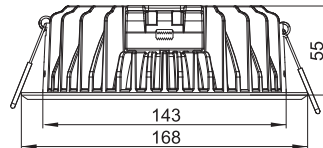
Protection class II

SELV
 Degree of protection: IP20
 Service life time: > 35,000 hours (L50)

Pro 12 W



Pro 18 W



Pro 12 W

Pro 18 W

Type	Ref. No.	Colour	Colour temperature K	Luminous flux lm	Efficiency lm/W	Beam angle °	CRI R _a	Dimming	Power factor	System power W	Energy efficiency
Pro – 12 W											
DL-PRO-12-3000-110	550880	warm white	3000	850	71	110	≥ 80	yes	> 0.9	12	A+
DL-PRO-12-4000-110	550882	neutral white	4000	880	73	110	≥ 80	yes	> 0.9	12	A+
Pro – 18 W											
DL-PRO-18-3000-110	550885	warm white	3000	1350	75	110	≥ 80	yes	> 0.9	18	A
DL-PRO-18-4000-110	550886	neutral white	4000	1450	80	110	≥ 80	yes	> 0.9	18	A+

Test standards: IEC/EN 60598-1, IEC/EN 60598-2-2, IEC/EN 62031, IEC/EN 62471, IEC/EN 55015, IEC/EN 61000-3-2, IEC/EN 61000-3-3, IEC/EN 61547

Typical Luminance at 1, 2 and 3 meters

light intensity (Lux)	Pro 12 W			Pro 18 W		
	1 m	2 m	3 m	1 m	2 m	3 m
Warm white 3000 K	335	84	37	510	128	56
Neutral white 4000 K	380	95	42	620	155	68

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Prime L Series

12 W / 26 W

Current supply

for 12 W downlight: 350 mA DC

for 26 W downlight: 700 mA DC

Forward voltage: 37 V

Allowed operating temperature: -40 to 45 °C

Allowed storage temperature: -40 to 60 °C

Dimmable

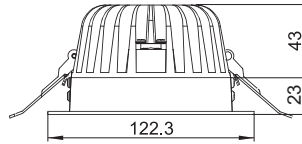
Primary lead: PVC-insulation, length: 200 mm

Protection class III

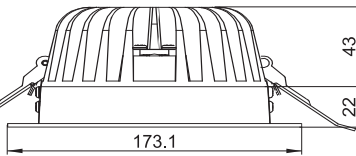
Degree of protection: IP20

Service life time: > 50,000 hours (L70)

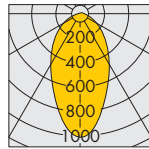
Prime L 12 W



Prime L 26 W

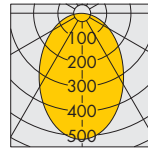


I (cd/klm)



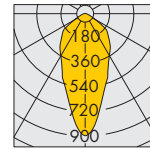
Prime L 12 W
99% clear

I (cd/klm)



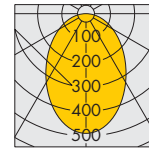
Prime L 12 W
87% diffuse

I (cd/klm)



Prime L 26 W
99% diffuse

I (cd/klm)



Prime L 26 W
87% diffuse

Type	Ref. No.	Colour	Colour temperature K	Luminous flux lm	Efficiency lm/W	Beam angle °	CRI R _a	Front plate transparency	Power W	Energy efficiency
Prime L - 12 W										
DL-PRIME-L-12-3000-60-C	550890	warm white	3000	1240	105	45	≥ 90	99% clear	12	A+
DL-PRIME-L-12-3000-80-D	550891	warm white	3000	1130	95	80	≥ 90	87% diffuse	12	A+
DL-PRIME-L-12-4000-60-C	550892	neutral white	4000	1390	115	45	≥ 90	99% clear	12	A++
DL-PRIME-L-12-4000-80-D	550893	neutral white	4000	1240	105	80	≥ 90	87% diffuse	12	A+
Prime L - 26 W										
DL-PRIME-L-26-3000-50-C	550894	warm white	3000	2310	92	50	≥ 90	99% clear	26	A+
DL-PRIME-L-26-3000-80-D	550895	warm white	3000	2200	88	80	≥ 90	87% diffuse	26	A+
DL-PRIME-L-26-4000-50-C	550896	neutral white	4000	2400	92	50	≥ 90	99% clear	26	A+
DL-PRIME-L-26-4000-80-D	550897	neutral white	4000	2250	88	80	≥ 90	87% diffuse	26	A+

Test standards: IEC/EN 60598-1, IEC/EN 60598-2-2, IEC/EN 62031, IEC/EN 62471, IEC/EN 55015, IEC/EN 61000-3-2, IEC/EN 61000-3-3, IEC/EN 61547

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Prime H Series

12 W / 26 W / 38 W and 40 W

Current supply

for 12 W downlight: 350 mA DC

for 26 W downlight: 700 mA DC

for 38 W/40 W downlight: 1050 mA DC

Forward voltage: 37 V

Allowed operating temperature: -40 to 45 °C

Allowed storage temperature: -40 to 60 °C

Dimmable

Primary lead: PVC-insulation, length:

200 mm (12 W and 26 W)

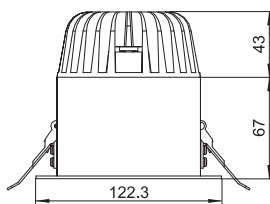
300 mm (38 W and 40 W)

Protection class III

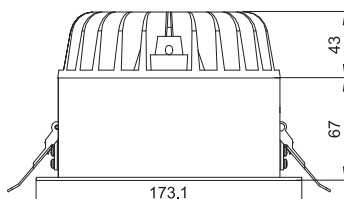
Degree of protection: IP20

Service life time: > 50,000 hours (L70)

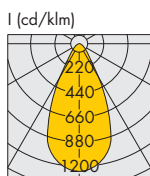
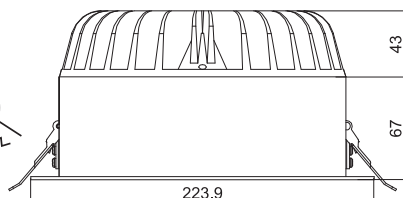
Prime H 12 W



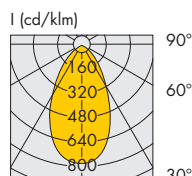
Prime H 26 W



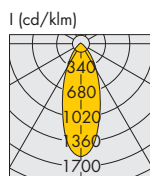
Prime H 38 W and 40 W



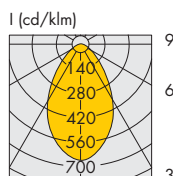
Prime H 12 W
99% clear



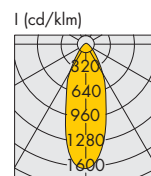
Prime H 12 W
87% diffuse



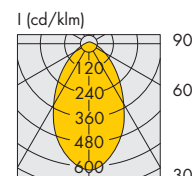
Prime H 26 W
99% clear



Prime H 26 W
87% diffuse



Prime H 38 W/40 W
99% clear



Prime H 38 W/40 W
87% diffuse

Type	Ref. No.	Colour	Colour temperature K	Luminous flux lm	Efficiency lm/W	Beam angle °	CRI R _a	Front plate transparency	Power W	Energy efficiency
Prime H - 12 W										
DL-PRIME-H-12-3000-50-C	550898	warm white	3000	895	75	50	≥ 90	99% clear	12	A
DL-PRIME-H-12-3000-60-D	550899	warm white	3000	765	65	60	≥ 90	87% diffuse	12	A
DL-PRIME-H-12-4000-50-C	550900	neutral white	4000	1010	85	50	≥ 90	99% clear	12	A+
DL-PRIME-H-12-4000-60-D	550901	neutral white	4000	840	70	60	≥ 90	87% diffuse	12	A
Prime H - 26 W										
DL-PRIME-H-26-3000-40-C	550902	warm white	3000	2140	85	40	≥ 90	99% clear	26	A
DL-PRIME-H-26-3000-70-D	550903	warm white	3000	1820	70	70	≥ 90	87% diffuse	26	A
DL-PRIME-H-26-4000-40-C	550904	neutral white	4000	2170	85	40	≥ 90	99% clear	26	A+
DL-PRIME-H-26-4000-70-D	550905	neutral white	4000	1915	70	70	≥ 90	87% diffuse	26	A
Prime H - 38 W / 40 W										
DL-PRIME-H-38-3000-40-C	550906	warm white	3000	3240	85	40	≥ 90	99% clear	38	A+
DL-PRIME-H-38-3000-75-D	550907	warm white	3000	3000	80	75	≥ 90	87% diffuse	38	A
DL-PRIME-H-40-4000-40-C	550908	neutral white	4000	3240	85	40	≥ 90	99% clear	40	A+
DL-PRIME-H-40-4000-75-D	550909	neutral white	4000	2930	75	75	≥ 90	87% diffuse	40	A

Test standards: IEC/EN 60598-1, IEC/EN 60598-2-2, IEC/EN 62031, IEC/EN 62471, IEC/EN 55015, IEC/EN 61000-3-2, IEC/EN 61000-3-3, IEC/EN 61547

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Typical Luminance

At 1, 2 and 3 meters

Light intensity (Lux)						
Colour temperature K	Prime L 12 W			Prime L 26 W		
	1 m	2 m	3 m	1 m	2 m	3 m
Warm white 3000 K – 99% clear	1270	318	140	1995	500	220
Warm white 3000 K – 87% diffuse	580	145	65	1065	265	120
Neutral white 4000 K – 99% clear	1395	350	155	2060	515	230
Neutral white 4000 K – 87% diffuse	625	155	70	1075	270	120

Prime H

Light intensity (Lux)									
Colour temperature K	Prime H 12 W			Prime H 26 W			Prime H 38 W / 40 W		
	1 m	2 m	3 m	1 m	2 m	3 m	1 m	2 m	3 m
Warm white 3000 K – 99% clear	1120	280	125	3600	900	400	5200	1300	578
Warm white 3000 K – 87% diffuse	600	150	68	1210	302	135	1870	468	208
Neutral white 4000 K – 99% clear	1260	315	140	3600	900	400	5125	1280	570
Neutral white 4000 K – 87% diffuse	660	165	74	1290	323	144	1830	458	204

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