



DOWNLIGHT SMD HP

REFLEXION DOWNLIGHT SMD HP: THE NEW DIMENSION OF LIGHT!

ORL

DOWNLIGHT SMD HP 8W

REFLEXION DOWNLIGHT SMD HP: THE LED AVAILABLE FOR EVERYONE

The Reflexion Downlights HP have an uniform design and are energy-efficient alternatives to Downlights compared with compact fluorescent lamps or halogen lamps. They fit into the ceiling and make installation easier with the compact dimensions. Their excellent photometric properties and sleek design make them extremely versatile. The "HP LINE" is created to make LED technology accessible to everyone with the same high quality standard of Reflexion.

INCASSI A LED SMD HP REFLEXION: IL LED ALLA PORTATA DI TUTTI

Gli incassi a LED HP di Reflexion hanno un design unico e sono un'alternativa a risparmio energetico rispetto i tradizionali incassi con lampade fluorescenti od alogene. Si posizionano discretamente nel soffitto. Le eccezionali caratteristiche fotometriche e il design semplice le rendono estremamente versatili. La linea "HP" è nata per rendere accessibile la tecnologia LED a tutti garantendo però sempre i massimi standard qualitativi di Reflexion.

LED EINBAULEUCHTE ECO REFLEXION: DIE LED, DIE SICH ALLE LEISTEN KÖNNEN

LED EINBAULEUCHTEN HP Reflexion haben einen einzigartigen Design und sind eine gute Alternative für Energieersparnis gegenüber den herkömmlichen Neon- oder Halogeneinbauleuchten.

Sie werden direkt in der Zimmerdecke positioniert. Durch die außergewöhnlichen fotometrischen Eigenschaften und das einfache Design sind sie extrem vielseitig. Die "HP"-Linie entstand, um die LED-Technologie allen zugänglich zu machen, wobei die maximalen Qualitätsstandards von Reflexion garantiert werden.



8W LED > 15W FLUORESCENT BULB

C.R.I. COMPARISON



OUR DOWNLIGHT ECO C.R.I. > 80



NORMAL LIGHT C.R.I. 70

TECHNICAL DATA

ARTICLE NUMBER	130000WHP	130000NHP	130000CHP
NAME OF PRODUCT	DOWLIGHT SMD HP 8W	DOWLIGHT SMD HP 8W	DOWLIGHT SMD HP 8W
INNER CARTON	1	1	1
MASTER CARTON	100	100	100
WEIGHT SINGLE PIECE	0.09 Kg	0.09 Kg	0.09 Kg

GENERAL CHARACTERISTICS

MAIN APPLICATION	Commercial	Commercial	Commercial
NOMINAL LIFETIME	>50.000 hrs	>50.000 hrs	>50.000 hrs
SOURCE (LED TYPE)	SMD	SMD	SMD
IP RATE	IP20	IP20	IP20

LIGHTNING DATA

COLOR TEMPERATURE	3.000K	4.000K	5.700K
CRI	>80	>80	>80
LUMINOUS FLUX (LM)	>700 Lm	>750 Lm	>800 Lm
LLMF (LUMEN MAINTENANCE)	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs
RATED BEAM ANGLE	>120°	>120°	>120°

ELECTRICAL DATA

SYSTEM POWER	8W±1W	8W±1W	8W±1W
START TIME (SECOND)	<0.1S	<0.1S	<0.1S
WARM-UP TIME TO 60% LIGHT OUTPUT	INSTANT FULL LIGHT	INSTANT FULL LIGHT	INSTANT FULL LIGHT
INPUT VOLTAGE	AC100V-240V	AC100V-240V	AC100V-240V
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz
OUTPUT VOLTAGE	12-18V	12-18V	12-18V
OUTPUT CURRENT	550 mA	550 mA	550 mA
POWER FACTOR	>0.90	>0.90	>0.90
DIMMABLE	YES	YES	YES
ENERGY SAVING	AVAILABLE	AVAILABLE	AVAILABLE
WORKING TEMPERATURE	(-25°C) ~ (50°C)	(-25°C) ~ (50°C)	(-25°C) ~ (50°C)
HUMIDITY	85% R.H.	85% R.H.	85% R.H.

DIMENSION

DIMENSION OF THE PRODUCT	D90*H53 mm	D90*H53 mm	D90*H53 mm
CUTOUT	D73 mm	D73 mm	D73 mm

APPROVAL & APPLICATION CHARS

VDE MARKING	-	-	-
CE MARKING	YES	YES	YES
UL MARKING	-	-	-
RoHS COMPLIANCE	YES	YES	YES

DOWNLIGHT SMD HP 15W

REFLEXION DOWNLIGHT SMD HP: THE LED AVAILABLE FOR EVERYONE

The Reflexion Downlights HP have an uniform design and are energy-efficient alternatives to Downlights compared with compact fluorescent lamps or halogen lamps. They fit into the ceiling and make installation easier with the compact dimensions. Their excellent photometric properties and sleek design make them extremely versatile. The "HP LINE" is created to make LED technology accessible to everyone with the same high quality standard of Reflexion.

INCASSI A LED SMD HP REFLEXION: IL LED ALLA PORTATA DI TUTTI

Gli incassi a LED HP di Reflexion hanno un design unico e sono un'alternativa a risparmio energetico rispetto i tradizionali incassi con lampade fluorescenti od alogene. Si posizionano discretamente nel soffitto. Le eccezionali caratteristiche fotometriche e il design semplice le rendono estremamente versatili. La linea "HP" è nata per rendere accessibile la tecnologia LED a tutti garantendo però sempre i massimi standard qualitativi di Reflexion.

LED EINBAULEUCHTE HP REFLEXION: DIE LED, DIE SICH ALLE LEISTEN KÖNNEN

LED EINBAULEUCHTEN HP Reflexion haben einen einzigartigen Design und sind eine gute Alternative für Energieersparnis gegenüber den herkömmlichen Neon- oder Halogeneinbauleuchten.

Sie werden direkt in der Zimmerdecke positioniert. Durch die außergewöhnlichen fotometrischen Eigenschaften und das einfache Design sind sie extrem vielseitig. Die "HP"-Linie entstand, um die LED-Technologie allen zugänglich zu machen, wobei die maximalen Qualitätsstandards von Reflexion garantiert werden.



C.R.I. COMPARISON



OUR DOWNLIGHT ECO C.R.I. > 80



NORMAL LIGHT C.R.I. 70



15W LED > 30W FLUORESCENT BULB (2x15W)

TECHNICAL DATA

ARTICLE NUMBER	130001WHP	130001NHP	130001CHP
NAME OF PRODUCT	DOWLIGHT SMD HP 15W	DOWLIGHT SMD HP 15W	DOWLIGHT SMD HP 15W
INNER CARTON	1	1	1
MASTER CARTON	48	48	48
WEIGHT SINGLE PIECE	400g	400g	400g

GENERAL CHARACTERISTICS

MAIN APPLICATION	Commercial	Commercial	Commercial
NOMINAL LIFETIME	>50.000 hrs	>50.000 hrs	>50.000 hrs
SOURCE (LED TYPE)	SMD	SMD	SMD
IP RATE	IP20	IP20	IP20

LIGHTNING DATA

COLOR TEMPERATURE	3.000K	4.000K	5.700K
CRI	>80	>80	>80
LUMINOUS FLUX (LM)	>1.200 Lm	>1.300 Lm	>1.400 Lm
LLMF (LUMEN MAINTENANCE)	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs
RATED BEAM ANGLE	>120°	>120°	>120°

ELECTRICAL DATA

SYSTEM POWER	15W±1W	15W±1W	15W±1W
START TIME (SECOND)	<0.1S	<0.1S	<0.1S
WARM-UP TIME TO 60% LIGHT OUTPUT	INSTANT FULL LIGHT	INSTANT FULL LIGHT	INSTANT FULL LIGHT
INPUT VOLTAGE	AC100V-240V	AC100V-240V	AC100V-240V
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz
OUTPUT VOLTAGE	12-18V	12-18V	12-18V
OUTPUT CURRENT	700 mA	700 mA	700 mA
POWER FACTOR	>0.90	>0.90	>0.90
DIMMABLE	YES	YES	YES
ENERGY SAVING	AVAILABLE	AVAILABLE	AVAILABLE
WORKING TEMPERATURE	(-25°C) ~ (50°C)	(-25°C) ~ (50°C)	(-25°C) ~ (50°C)
HUMIDITY	85% R.H.	85% R.H.	85% R.H.

DIMENSION

DIMENSION OF THE PRODUCT	D145*H78 mm	D145*H78 mm	D145*H78 mm
CUTOUT	D128 mm	D128 mm	D128 mm

APPROVAL & APPLICATION CHARS

VDE MARKING	-	-	-
CE MARKING	YES	YES	YES
UL MARKING	-	-	-
RoHS COMPLIANCE	YES	YES	YES

DOWNLIGHT SMD HP 20W

REFLEXION DOWNLIGHT SMD HP: THE LED AVAILABLE FOR EVERYONE

The Reflexion Downlights HP have an uniform design and are energy-efficient alternatives to Downlights compared with compact fluorescent lamps or halogen lamps. They fit into the ceiling and make installation easier with the compact dimensions. Their excellent photometric properties and sleek design make them extremely versatile. The "HP LINE" is created to make LED technology accessible to everyone with the same high quality standard of Reflexion.



INCASSI A LED SMD HP REFLEXION: IL LED ALLA PORTATA DI TUTTI

Gli incassi a LED HP di Reflexion hanno un design unico e sono un'alternativa a risparmio energetico rispetto i tradizionali incassi con lampade fluorescenti od alogene. Si posizionano discretamente nel soffitto. Le eccezionali caratteristiche fotometriche e il design semplice le rendono estremamente versatili. La linea "HP" è nata per rendere accessibile la tecnologia LED a tutti garantendo però sempre i massimi standard qualitativi di Reflexion.

LED EINBAULEUCHTE ECO REFLEXION: DIE LED, DIE SICH ALLE LEISTEN KÖNNEN

LED EINBAULEUCHTEN HP Reflexion haben einen einzigartigen Design und sind eine gute Alternative für Energieersparnis gegenüber den herkömmlichen Neon- oder Halogeneinbauleuchten.

Sie werden direkt in der Zimmerdecke positioniert. Durch die außergewöhnlichen fotometrischen Eigenschaften und das einfache Design sind sie extrem vielseitig. Die "HP"-Linie entstand, um die LED-Technologie allen zugänglich zu machen, wobei die maximalen Qualitätsstandards von Reflexion garantiert werden.



20W LED > 40W FLUORESCENT BULB (2x20W)

C.R.I. COMPARISON



OUR DOWNLIGHT ECO C.R.I. > 80



NORMAL LIGHT C.R.I. 70

TECHNICAL DATA

ARTICLE NUMBER	130002WHP	130002NHP	130002CHP
NAME OF PRODUCT	DOWLIGHT SMD HP 20W	DOWLIGHT SMD HP 20W	DOWLIGHT SMD HP 20W
INNER CARTON	1	1	1
MASTER CARTON	18	18	18
WEIGHT SINGLE PIECE	640g	640g	640g

GENERAL CHARACTERISTICS

MAIN APPLICATION	Commercial	Commercial	Commercial
NOMINAL LIFETIME	>50.000 hrs	>50.000 hrs	>50.000 hrs
SOURCE (LED TYPE)	SMD	SMD	SMD
IP RATE	IP20	IP20	IP20

LIGHTNING DATA

COLOR TEMPERATURE	3.000K	4.000K	5.700K
CRI	>80	>80	>80
LUMINOUS FLUX (LM)	>1.600 Lm	>1.750 Lm	>1.900 Lm
LLMF (LUMEN MAINTENANCE)	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs
RATED BEAM ANGLE	>120°	>120°	>120°

ELECTRICAL DATA

SYSTEM POWER	20W±1W	20W±1W	20W±1W
START TIME (SECOND)	<0.1S	<0.1S	<0.1S
WARM-UP TIME TO 60% LIGHT OUTPUT	INSTANT FULL LIGHT	INSTANT FULL LIGHT	INSTANT FULL LIGHT
INPUT VOLTAGE	AC100V-240V	AC100V-240V	AC100V-240V
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz
OUTPUT VOLTAGE	12-18V	12-18V	12-18V
OUTPUT CURRENT	480 mA	480 mA	480 mA
POWER FACTOR	>0.90	>0.90	>0.90
DIMMABLE	AVAILABLE	AVAILABLE	AVAILABLE
ENERGY SAVING	YES	YES	YES
WORKING TEMPERATURE	(-25°C) - (50°C)	(-25°C) - (50°C)	(-25°C) - (50°C)
HUMIDITY	85% R.H.	85% R.H.	85% R.H.

DIMENSION

DIMENSION OF THE PRODUCT	D195*H105 mm	D195*H105 mm	D195*H105 mm
CUTOUT	D173 mm	D173 mm	D173 mm

APPROVAL & APPLICATION CHARS

VDE MARKING	-	-	-
CE MARKING	YES	YES	YES
UL MARKING	-	-	-
RoHS COMPLIANCE	YES	YES	YES

DOWNLIGHT SMD HP 25W

REFLEXION DOWNLIGHT SMD HP: THE LED AVAILABLE FOR EVERYONE

The Reflexion Downlights HP have an uniform design and are energy-efficient alternatives to Downlights compared with compact fluorescent lamps or halogen lamps. They fit into the ceiling and make installation easier with the compact dimensions. Their excellent photometric properties and sleek design make them extremely versatile. The "HP LINE" is created to make LED technology accessible to everyone with the same high quality standard of Reflexion.

INCASSI A LED SMD HP REFLEXION: IL LED ALLA PORTATA DI TUTTI

Gli incassi a LED HP di Reflexion hanno un design unico e sono un'alternativa a risparmio energetico rispetto i tradizionali incassi con lampade fluorescenti od alogene. Si posizionano discretamente nel soffitto. Le eccezionali caratteristiche fotometriche e il design semplice le rendono estremamente versatili. La linea "HP" è nata per rendere accessibile la tecnologia LED a tutti garantendo però sempre i massimi standard qualitativi di Reflexion.

LED EINBAULEUCHTE ECO REFLEXION: DIE LED, DIE SICH ALLE LEISTEN KÖNNEN

LED EINBAULEUCHTEN HP Reflexion haben einen einzigartigen Design und sind eine gute Alternative für Energieersparnis gegenüber den herkömmlichen Neon- oder Halogeneinbauleuchten.

Sie werden direkt in der Zimmerdecke positioniert. Durch die außergewöhnlichen fotometrischen Eigenschaften und das einfache Design sind sie extrem vielseitig. Die "HP"-Linie entstand, um die LED-Technologie allen zugänglich zu machen, wobei die maximalen Qualitätsstandards von Reflexion garantiert werden.



C.R.I. COMPARISON



OUR DOWNLIGHT ECO C.R.I. > 80



NORMAL LIGHT C.R.I. 70



25W LED > 52W FLUORESCENT BULB (2x26W)

TECHNICAL DATA

ARTICLE NUMBER	130003WHP	130003NHP	130003CHP
NAME OF PRODUCT	DOWLIGHT SMD HP 25W	DOWLIGHT SMD HP 25W	DOWLIGHT SMD HP 25W
INNER CARTON	1	1	1
MASTER CARTON	18	18	18
WEIGHT SINGLE PIECE	675g	675g	675g

GENERAL CHARACTERISTICS

MAIN APPLICATION	Commercial	Commercial	Commercial
NOMINAL LIFETIME	>50.000 hrs	>50.000 hrs	>50.000 hrs
SOURCE (LED TYPE)	SMD	SMD	SMD
IP RATE	IP20	IP20	IP20

LIGHTNING DATA

COLOR TEMPERATURE	3.000K	4.000K	5.700K
CRI	>80	>80	>80
LUMINOUS FLUX (LM)	>2.000 Lm	>2.200 Lm	>2.400 Lm
LLMF (LUMEN MAINTENANCE)	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs
RATED BEAM ANGLE	>120°	>120°	>120°

ELECTRICAL DATA

SYSTEM POWER	25W±1W	25W±1W	25W±1W
START TIME (SECOND)	<0.1S	<0.1S	<0.1S
WARM-UP TIME TO 60% LIGHT OUTPUT	INSTANT FULL LIGHT	INSTANT FULL LIGHT	INSTANT FULL LIGHT
INPUT VOLTAGE	AC100V-240V	AC100V-240V	AC100V-240V
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz
OUTPUT VOLTAGE	12-18V	12-18V	12-18V
OUTPUT CURRENT	600 mA	600 mA	600 mA
POWER FACTOR	>0.90	>0.90	>0.90
DIMMABLE	AVAILABLE	AVAILABLE	AVAILABLE
ENERGY SAVING	YES	YES	YES
WORKING TEMPERATURE	(-25°C) ~ (50°C)	(-25°C) ~ (50°C)	(-25°C) ~ (50°C)
HUMIDITY	85% R.H.	85% R.H.	85% R.H.

DIMENSION

DIMENSION OF THE PRODUCT	D195*H105 mm	D195*H105 mm	D195*H105 mm
CUTOUT	D173 mm	D173 mm	D173 mm

APPROVAL & APPLICATION CHARS

VDE MARKING	-	-	-
CE MARKING	YES	YES	YES
UL MARKING	-	-	-
RoHS COMPLIANCE	YES	YES	YES

DOWNLIGHT SMD HP 30W

REFLEXION DOWNLIGHT SMD HP: THE LED AVAILABLE FOR EVERYONE

The Reflexion Downlights HP have an uniform design and are energy-efficient alternatives to Downlights compared with compact fluorescent lamps or halogen lamps. They fit into the ceiling and make installation easier with the compact dimensions. Their excellent photometric properties and sleek design make them extremely versatile. The "HP LINE" is created to make LED technology accessible to everyone with the same high quality standard of Reflexion.



INCASSI A LED SMD HP REFLEXION: IL LED ALLA PORTATA DI TUTTI

Gli incassi a LED HP di Reflexion hanno un design unico e sono un'alternativa a risparmio energetico rispetto i tradizionali incassi con lampade fluorescenti od alogene. Si posizionano discretamente nel soffitto. Le eccezionali caratteristiche fotometriche e il design semplice le rendono estremamente versatili. La linea "HP" è nata per rendere accessibile la tecnologia LED a tutti garantendo però sempre i massimi standard qualitativi di Reflexion.

LED EINBAULEUCHTE ECO REFLEXION: DIE LED, DIE SICH ALLE LEISTEN KÖNNEN

LED EINBAULEUCHTEN HP Reflexion haben einen einzigartigen Design und sind eine gute Alternative für Energieersparnis gegenüber den herkömmlichen Neon- oder Halogeneinbauleuchten.

Sie werden direkt in der Zimmerdecke positioniert. Durch die außergewöhnlichen fotometrischen Eigenschaften und das einfache Design sind sie extrem vielseitig. Die "HP"-Linie entstand, um die LED-Technologie allen zugänglich zu machen, wobei die maximalen Qualitätsstandards von Reflexion garantiert werden.



30W LED > 60W FLUORESCENT BULB (2x30W)

C.R.I. COMPARISON



OUR DOWNLIGHT ECO C.R.I. > 80



NORMAL LIGHT C.R.I. 70

TECHNICAL DATA

ARTICLE NUMBER	130004WHP	130004NHP	130004CHP
NAME OF PRODUCT	DOWLIGHT SMD HP 30W	DOWLIGHT SMD HP 30W	DOWLIGHT SMD HP 30W
INNER CARTON	1	1	1
MASTER CARTON	12	12	12
WEIGHT SINGLE PIECE	985g	985g	985g

GENERAL CHARACTERISTICS

MAIN APPLICATION	Commercial	Commercial	Commercial
NOMINAL LIFETIME	>50.000 hrs	>50.000 hrs	>50.000 hrs
SOURCE (LED TYPE)	SMD	SMD	SMD
IP RATE	IP20	IP20	IP20

LIGHTNING DATA

COLOR TEMPERATURE	3.000K	4.000K	5.700K
CRI	>80	>80	>80
LUMINOUS FLUX (LM)	>2.400 Lm	>2.650 Lm	>2.900 Lm
LLMF (LUMEN MAINTENANCE)	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs
RATED BEAM ANGLE	>120°	>120°	>120°

ELECTRICAL DATA

SYSTEM POWER	30W±1W	30W±1W	30W±1W
START TIME (SECOND)	<0.1S	<0.1S	<0.1S
WARM-UP TIME TO 60% LIGHT OUTPUT	INSTANT FULL LIGHT	INSTANT FULL LIGHT	INSTANT FULL LIGHT
INPUT VOLTAGE	AC100V-240V	AC100V-240V	AC100V-240V
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz
OUTPUT VOLTAGE	12-18V	12-18V	12-18V
OUTPUT CURRENT	720 mA	720 mA	720 mA
POWER FACTOR	>0.90	>0.90	>0.90
DIMMABLE	AVAILABLE	AVAILABLE	AVAILABLE
ENERGY SAVING	YES	YES	YES
WORKING TEMPERATURE	(-25°C) - (50°C)	(-25°C) - (50°C)	(-25°C) - (50°C)
HUMIDITY	85% R.H.	85% R.H.	85% R.H.

DIMENSION

DIMENSION OF THE PRODUCT	D240*H106 mm	D240*H106 mm	D240*H106 mm
CUTOUT	D213 mm	D213 mm	D213 mm

APPROVAL & APPLICATION CHARS

VDE MARKING	-	-	-
CE MARKING	YES	YES	YES
UL MARKING	-	-	-
RoHS COMPLIANCE	YES	YES	YES

DOWNLIGHT SMD HP 40W

REFLEXION DOWNLIGHT SMD HP: THE LED AVAILABLE FOR EVERYONE

The Reflexion Downlights HP have an uniform design and are energy-efficient alternatives to Downlights compared with compact fluorescent lamps or halogen lamps. They fit into the ceiling and make installation easier with the compact dimensions. Their excellent photometric properties and sleek design make them extremely versatile. The "HP LINE" is created to make LED technology accessible to everyone with the same high quality standard of Reflexion.

INCASSI A LED SMD HP REFLEXION: IL LED ALLA PORTATA DI TUTTI

Gli incassi a LED HP di Reflexion hanno un design unico e sono un'alternativa a risparmio energetico rispetto i tradizionali incassi con lampade fluorescenti od alogene. Si posizionano discretamente nel soffitto. Le eccezionali caratteristiche fotometriche e il design semplice le rendono estremamente versatili. La linea "HP" è nata per rendere accessibile la tecnologia LED a tutti garantendo però sempre i massimi standard qualitativi di Reflexion.

LED EINBAULEUCHTE ECO REFLEXION: DIE LED, DIE SICH ALLE LEISTEN KÖNNEN

LED EINBAULEUCHTEN HP Reflexion haben einen einzigartigen Design und sind eine gute Alternative für Energieersparnis gegenüber den herkömmlichen Neon- oder Halogeneinbauleuchten.

Sie werden direkt in der Zimmerdecke positioniert. Durch die außergewöhnlichen fotometrischen Eigenschaften und das einfache Design sind sie extrem vielseitig. Die "HP"-Linie entstand, um die LED-Technologie allen zugänglich zu machen, wobei die maximalen Qualitätsstandards von Reflexion garantiert werden.



C.R.I. COMPARISON



OUR DOWNLIGHT ECO C.R.I. > 80



NORMAL LIGHT C.R.I. 70



40W LED > 400W HALOGEN LAMP

TECHNICAL DATA

ARTICLE NUMBER	130005WHP	130005NHP	130005CHP
NAME OF PRODUCT	DOWLIGHT SMD HP 40W	DOWLIGHT SMD HP 40W	DOWLIGHT SMD HP 40W
INNER CARTON	1	1	1
MASTER CARTON	12	12	12
WEIGHT SINGLE PIECE	1005g	1005g	1005g

GENERAL CHARACTERISTICS

MAIN APPLICATION	Commercial	Commercial	Commercial
NOMINAL LIFETIME	>50.000 hrs	>50.000 hrs	>50.000 hrs
SOURCE (LED TYPE)	SMD	SMD	SMD
IP RATE	IP20	IP20	IP20

LIGHTNING DATA

COLOR TEMPERATURE	3.000K	4.000K	5.700K
CRI	>80	>80	>80
LUMINOUS FLUX (LM)	>3.200 Lm	>3.500 Lm	>3.800 Lm
LLMF (LUMEN MAINTENANCE)	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs
RATED BEAM ANGLE	>120°	>120°	>120°

ELECTRICAL DATA

SYSTEM POWER	40W±1W	40W±1W	40W±1W
START TIME (SECOND)	<0.1S	<0.1S	<0.1S
WARM-UP TIME TO 60% LIGHT OUTPUT	INSTANT FULL LIGHT	INSTANT FULL LIGHT	INSTANT FULL LIGHT
INPUT VOLTAGE	AC100V-240V	AC100V-240V	AC100V-240V
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz
OUTPUT VOLTAGE	12-18V	12-18V	12-18V
OUTPUT CURRENT	900 mA	900 mA	900 mA
POWER FACTOR	>0.90	>0.90	>0.90
DIMMABLE	AVAILABLE	AVAILABLE	AVAILABLE
ENERGY SAVING	YES	YES	YES
WORKING TEMPERATURE	(-25°C) ~ (50°C)	(-25°C) ~ (50°C)	(-25°C) ~ (50°C)
HUMIDITY	85% R.H.	85% R.H.	85% R.H.

DIMENSION

DIMENSION OF THE PRODUCT	D240*H106 mm	D240*H106 mm	D240*H106 mm
CUTOUT	D213 mm	D213 mm	D213 mm

APPROVAL & APPLICATION CHARS

VDE MARKING	-	-	-
CE MARKING	YES	YES	YES
UL MARKING	-	-	-
RoHS COMPLIANCE	YES	YES	YES

DOWNLIGHT SMD HP 50W

REFLEXION DOWNLIGHT SMD HP: THE LED AVAILABLE FOR EVERYONE

The Reflexion Downlights HP have an uniform design and are energy-efficient alternatives to Downlights compared with compact fluorescent lamps or halogen lamps. They fit into the ceiling and make installation easier with the compact dimensions. Their excellent photometric properties and sleek design make them extremely versatile. The "HP LINE" is created to make LED technology accessible to everyone with the same high quality standard of Reflexion.

INCASSI A LED SMD HP REFLEXION: IL LED ALLA PORTATA DI TUTTI

Gli incassi a LED HP di Reflexion hanno un design unico e sono un'alternativa a risparmio energetico rispetto i tradizionali incassi con lampade fluorescenti od alogene. Si posizionano discretamente nel soffitto. Le eccezionali caratteristiche fotometriche e il design semplice le rendono estremamente versatili. La linea "HP" è nata per rendere accessibile la tecnologia LED a tutti garantendo però sempre i massimi standard qualitativi di Reflexion.

LED EINBAULEUCHTE ECO REFLEXION: DIE LED, DIE SICH ALLE LEISTEN KÖNNEN

LED EINBAULEUCHTEN HP Reflexion haben einen einzigartigen Design und sind eine gute Alternative für Energieersparnis gegenüber den herkömmlichen Neon- oder Halogeneinbauleuchten.

Sie werden direkt in der Zimmerdecke positioniert. Durch die außergewöhnlichen fotometrischen Eigenschaften und das einfache Design sind sie extrem vielseitig. Die "HP"-Linie entstand, um die LED-Technologie allen zugänglich zu machen, wobei die maximalen Qualitätsstandards von Reflexion garantiert werden.



C.R.I. COMPARISON



OUR DOWNLIGHT ECO C.R.I. > 80



NORMAL LIGHT C.R.I. 70



50W LED > 500W HALOGEN LAMP

TECHNICAL DATA

ARTICLE NUMBER	130006WHP	130006NHP	130006CHP
NAME OF PRODUCT	DOWLIGHT SMD HP 50W	DOWLIGHT SMD HP 50W	DOWLIGHT SMD HP 50W
INNER CARTON	1	1	1
MASTER CARTON	12	12	12
WEIGHT SINGLE PIECE	1060g	1060g	1060g

GENERAL CHARACTERISTICS

MAIN APPLICATION	Commercial	Commercial	Commercial
NOMINAL LIFETIME	>50.000 hrs	>50.000 hrs	>50.000 hrs
SOURCE (LED TYPE)	SMD	SMD	SMD
IP RATE	IP20	IP20	IP20

LIGHTNING DATA

COLOR TEMPERATURE	3.000K	4.000K	5.700K
CRI	>80	>80	>80
LUMINOUS FLUX (LM)	>3.900 Lm	>4.250 Lm	>4.600 Lm
LLMF (LUMEN MAINTENANCE)	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs	80% AFTER 30.000 hrs
RATED BEAM ANGLE	>120°	>120°	>120°

ELECTRICAL DATA

SYSTEM POWER	50W±1W	50W±1W	50W±1W
START TIME (SECOND)	<0.1S	<0.1S	<0.1S
WARM-UP TIME TO 60% LIGHT OUTPUT	INSTANT FULL LIGHT	INSTANT FULL LIGHT	INSTANT FULL LIGHT
INPUT VOLTAGE	AC100V-240V	AC100V-240V	AC100V-240V
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz
OUTPUT VOLTAGE	12-18V	12-18V	12-18V
OUTPUT CURRENT	1200 mA	1200 mA	1200 mA
POWER FACTOR	>0.90	>0.90	>0.90
DIMMABLE	AVAILABLE	AVAILABLE	AVAILABLE
ENERGY SAVING	YES	YES	YES
WORKING TEMPERATURE	(-25°C) - (50°C)	(-25°C) - (50°C)	(-25°C) - (50°C)
HUMIDITY	85% R.H.	85% R.H.	85% R.H.

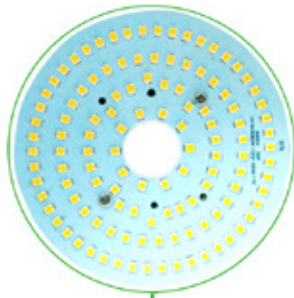
DIMENSION

DIMENSION OF THE PRODUCT	D240*H106 mm	D240*H106 mm	D240*H106 mm
CUTOUT	D213 mm	D213 mm	D213 mm

APPROVAL & APPLICATION CHARS

VDE MARKING	-	-	-
CE MARKING	YES	YES	YES
UL MARKING	-	-	-
RoHS COMPLIANCE	YES	YES	YES

DOWNLIGHT SMD HP



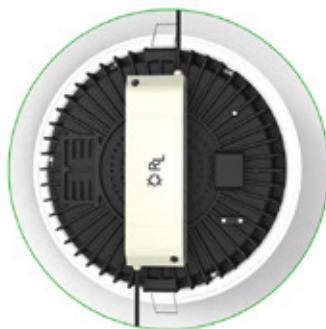
Array and high CRI of SMD Light Source



High heat conduction mockup

Driver

- Isolated external led driver
- THD \leq 15%, PF \geq 0.97
- Conversion efficiency \geq 88%



Anti-dazzle design of reflector