
HALO®
SMD Series
Surface Mount LED Downlight
5
seleCCTable™
colors
COOPER
Lighting Solutions
halolighting.com

HALO® SMD Series



The SMD is a surface mount LED downlight with a modern look and high performance.

Junction Box



Supply wire adapter with LED connector included



Junction box bracket

Recessed Housing*



Torsion springs for recessed housings



Friction clips for recessed housings

SMD Accessory Kit

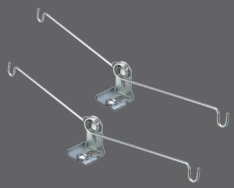
*SMD Accessory Kit needed for recessed housing installation.



Edison screwbase adapter



Friction clips



Torsion springs



5 seleCCTable™ colors

The SeleCCTable™ technology puts flexibility at your fingertips. By using the switch located on the driver junction box, the user can choose from a range of five color temperatures 2700K - 5000K.

Lighting Control Solution

HALO HOME™



HALO Home In-wall Smart Dimmer

HIWMA1BLE40AWH

Controls standard lighting fixtures with dimmer or HALO Home mobile app. Features include:

- ON/OFF
- Dim
- Group
- Scene
- Schedule





- 4" ultra-low profile surface mounting round and square
- Recessed Housings or J-Box installations (approx. 0.5" thick below ceiling)
- Lumens: up to 810 lumens
- 5-color field selectable CCT - 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI minimum as standard
- Installs in many 3-1/2" and 4" ceiling junction boxes
- Retrofits 4" recessed downlight housings using SMD4ACCKIT
- Dimmable to 5% with many 120V leading-edge and trailing-edge phase control dimmers
- UL Certified for Halo housings
- UL Certified for other housings
- Damp Location Listed for walls
- Wet Location Listed for showers and outdoor protected ceilings

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.

ENERGY DATA	SMD4R6 SMD4S6	
	Round	Square
Lumens (5000K models)	738	787
Input Power	9 W	9 W
Input Current	0.077 A	0.079 A
Efficiency	89 lm/W	84 lm/W
Input Voltage	120V	
Frequency	60 Hz	
CRI	90 CRI	
Power Factor	0.98	
T Ambient	-30 - +40°C	
Sound Rating	Class A	

Ordering Information

SAMPLE NUMBER: SMD4R69SWH
Junction Box Installation: Order junction box separately, as supplied by others, to complete installation.
Recessed Housing Installation: Order HALO recessed housing and SMDACCKIT separately to complete installation.

Models	Lumens	CRI / CCT	Finish
SMD4R = 4" Round Surface Mount Downlight, 120V **SMD4S** = 4" Square Surface Mount Downlight, 120V	**6** = 600 lumen	**9S** = 90CRI, 2700K - 5000K Field Selectable CCT	**WH** = Matte White

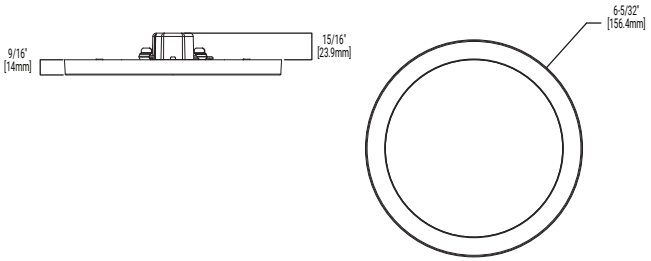
Accessories

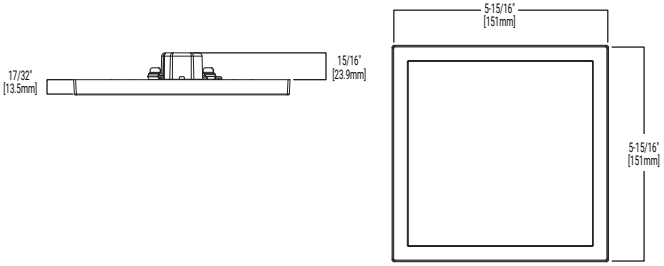
Designer Trims
SMD4RTRMSN = 4" Round SMD Satin Nickel
SMD4RTRMTBZ = 4" Round SMD Tuscan Bronze
SMD4RTRMWH = 4" Round SMD White (paintable)

SMD4STRMSN = 4" Square SMD Satin Nickel
SMD4STRMTBZ = 4" Square SMD Tuscan Bronze
SMD4STRMWH = 4" Square SMD White (paintable)

T24HWKIT = Title 24 Cable harness kit used to convert incandescent and low voltage housings to LED

SMD4ACCKIT = SMD accessory kit includes friction clips and a Edison screwbase adapter for recessed housing installation.







- 6" ultra-low profile surface mounting round and square
- Recessed Housings or J-Box installations (approx. 0.5" thick below ceiling)
- Lumens: up to 815 lumens (600 lumen series)
- up to 1252 (1200 lumen series)
- 5-color field selectable CCT - 2700K, 3000K, 3500K, 4000K, 5000K
- 90 CRI minimum as standard
- Installs in many 3-1/2" and 4" ceiling junction boxes
- Retrofits 5" and 6" recessed downlight housings using SMD6ACCKIT
- Dimmable to 5% with many 120V leading-edge and trailing-edge phase control dimmers
- UL Certified for Halo housings
- UL Certified for other housings
- Damp Location Listed for walls
- Wet Location Listed for showers and outdoor protected ceilings

ENERGY STAR | Can be used for IECC International Energy Conservation Code High Efficacy Compliance | Efficiency Standards T24 Can be used to comply with 2016 Title 24 Part 6 LED Enclosed Light Source Requirements (JA8) | RoHS | UL CERTIFIED

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.

Ordering Information

SAMPLE NUMBER: SMD6R69SWH
Junction Box Installation: Order junction box separately, as supplied by others, to complete installation.
Recessed Housing Installation: Order HALO recessed housing and SMDACCKIT separately to complete installation.

Models	Lumens	CRI / CCT
SMD6R = 6" Round Surface Mount Downlight, 120V **SMD6S** = 6" Square Surface Mount Downlight, 120V	**6** = 600 lumen series (120V only) **12** = 1200 lumen series	**9S** = 90CRI, 2700K - 5000K Field Selectable CCT

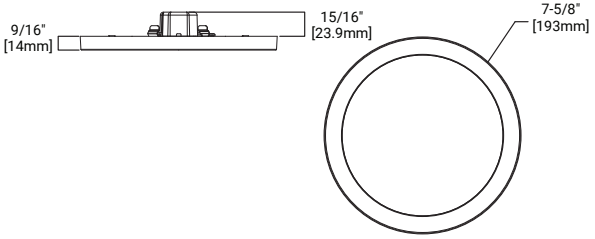
Finish	Voltage	Accessories
WH = Matte White	**Blank** = 120V standard **E** = UNV Universal 120-277V(1)	**Designer Trims** **SMD6RTRMSN** = 6" Round SMD Satin Nickel **SMD6RTRMTBZ** = 6" Round SMD Tuscan Bronze **SMD6RTRMWH** = 6" Round SMD White (paintable) **SMD6STRMSN** = 6" Square SMD Satin Nickel **SMD6STRMTBZ** = 6" Square SMD Tuscan Bronze **SMD6STRMWH** = 6" Square SMD White (paintable) **T24HWKIT** = Title 24 Cable harness kit used to convert incandescent and low voltage housings to LED **SMD6ACCKIT** = SMD accessory kit includes friction clips, torsion sprigs and a Edison screwbase adapter for recessed housing installation.

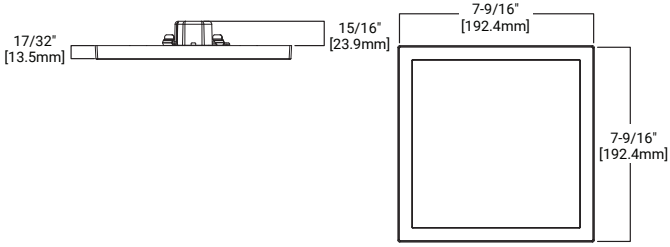
(1) UNV voltage configuration is offered only in the 6" - 1200 lumen series

ENERGY DATA	SMD6R6 SMD6S6		SMD6R12 SMD6S12	
	Round	Square	Round	Square
Lumens (5000K models)	777	800	1271	1345
Input Power	9 W	9 W	15	15
Input Current	0.085 A	0.085 A	0.129 A	0.129 A
Efficiency	86 lm/W	85 lm/W	85 lm/W	88 lm/W
THDi	8	8	12.6	12.6
Input Voltage	120V		120V	
Frequency	60 Hz		60 Hz	
CRI	90 CRI		90 CRI	
Power Factor	0.98		0.98	
T Ambient	-30 - +40°C		-30 - +40°C	
Sound Rating	Class A		Class A	

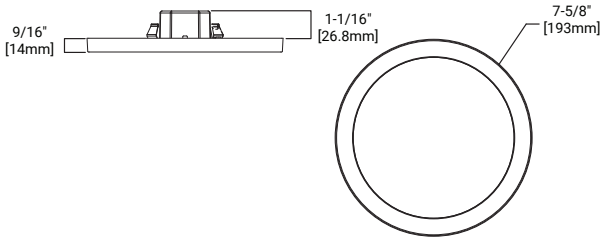
ENERGY DATA	SMD6R12-E / SMD6S12-E	
	Round	Square
Lumens (5000K models)	1357	1364
Input Power	14.5	14.5
Input Current	0.125 A (120V) 0.058 A (277V)	0.125 A (120V) 0.058 A (277V)
Efficiency	94 lm/W	94 lm/W
THDi	12.8	12.8
Input Voltage	120 - 277V	
Frequency	60 Hz	
CRI	90 CRI	
Power Factor	0.99 (120V) 0.94 (277V)	
T Ambient	-30 - +40°C	
Sound Rating	Class A	

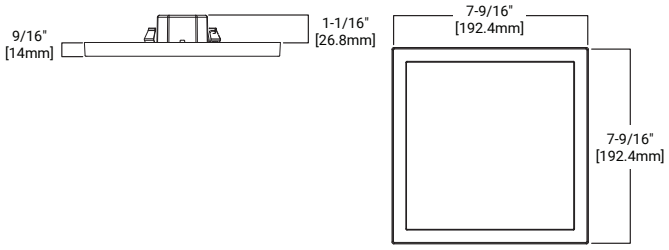
SMD6





SMD6 1200 & UNV







Designer Trims



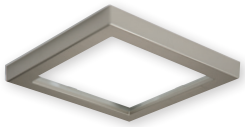
round | white (paintable)
SMD4RTRMWH
SMD6RTRMWH



square | white (paintable)
SMD4STRMWH
SMD6STRMWH



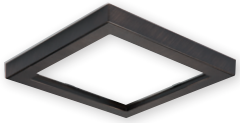
round | satin nickel
SMD4RTRMSN
SMD6RTRMSN



square | satin nickel
SMD4STRMSN
SMD6STRMSN



round | tuscan bronze
SMD4RTRMTBZ
SMD6RTRMTBZ



square | tuscan bronze
SMD4STRMTBZ
SMD6STRMTBZ

SMD Accessory Kits

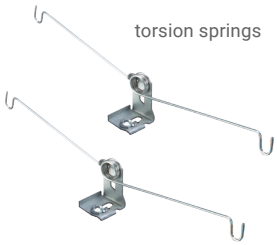
The SMD accessory kits are needed for installation into recessed housings.

SMD4 uses **SMD4ACCKIT** which includes the Edison screwbase adapter and two friction clips.

SMD6 uses **SMD6ACCKIT** which includes the Edison screwbase adapter, two friction clips and two torsion springs.



Edison screwbase adapter



torsion springs



friction clips

	
Octagon steel light fixture / fan box	**Square** steel deep box
4″ x 4″ x 2-1/8″	4″ x 4″ x 1-1/2″
	
Round new work fixture box (plastic)	**Round** new work ceiling box (plastic)
4″ diameter x 2-3/16″	3-1/2″ diameter x 2-3/4″
	
Round old work fixture box (plastic)	**Round** new work fixture box (plastic) with bar hanger
4″ diameter x 2-3/16″	4″ diameter x 2-3/16″
	
Round surface mount	**Round** ceiling pan
4″ diameter x 1-1/2″	4″ diameter x 13/16″
	
TP316 Eaton's Crouse-Hinds junction box for non-metallic cable	**TP317** Eaton's Crouse-Hinds junction box for metal clad cable
4″ x 2-1/8″	4″ x 2-1/8″

**This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers' products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Cooper Lighting Solutions makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the mounting bracket in the box.*

Housing Compatibility

Housings

Halo LED 4-inch
H995ICAT= 4" LED, Insulated Ceiling, Air-Tite, New Construction Housing
H995RICAT= 4" LED, Insulated Ceiling, Air-Tite, Remodel Housing
H450FR2ICAT= 4" LED, Insulated Ceiling, Air-Tite, Fire Safe New Construction Housing, 2-hour fire rated, 15W

Halo Ultra-Shallow LED 4-inch
H245RICAT= 4" LED, Insulated Ceiling, Air-Tite, Ultra-Shallow Remodel Housing

Halo Standard Housings 4-inch*
H99ICAT= 4" IC, Air-Tite, Shallow New Construction Housing
H99TAT= 4" Non-IC, Air-Tite, Shallow New Construction Housing
H99RTAT= 4" Non-IC, Air-Tite, Shallow Romodel Housing
E4ICATSB= 4" IC, Air-Tite, Shallow New Construction Housing
E4TATSB= 4" Non-IC, Air-Tite, Shallow New Construction Housing
E4RTATSB= 4" Non-IC, Air-Tite, Shallow Romodel Housing

Halo Low Voltage Housings 4-inch*
H1499ICAT= 4" IC, Air-Tite, New Construction Housing, 120V - 12V Low Voltage MR16
H1499TAT= 4" Non-IC, Air-Tite, Shallow New Construction Housing, 120V - 12V Low Voltage MR16
H1499RTAT= 4" Non-IC, Air-Tite, Shallow Remodel Housing, 120V - 12V Low Voltage MR16
H1499T75= 4" Non-IC, New Construction Housing, 120V/277V - 12V Low Voltage, MR16

Accessories
T24HWKIT= Title 24 Cable harness kit used to convert incandescent and low voltage housings to LED.
SMD4ACCKIT= SMD4 Accessory Kit; use for recessed housing installation.

T24HWKIT

*Use T24HWKIT, Title 24 Cable Harness Kit, to convert incandescent and low voltage housings to LED.



SMD4ACCKIT

SMD4 Accessory Kit needed for installation into 4" recessed housings.



Edison screwbase adapter



Friction clips

SMD6ACCKIT

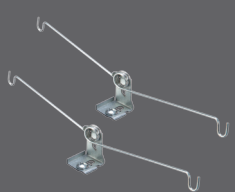
SMD6 Accessory Kit needed for installation into 5" and 6" recessed housings.



Edison screwbase adapter



Friction clips



Torsion springs

Housings

Halo LED 6-inch
H750ICAT= 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing
H750RICAT= 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing
H750T= 6" LED, Non-IC, Air-Tite, New Construction Housing
H750TCP= 6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing
H2750ICAT= 6" LED, Shallow, Insulated Ceiling, Air-Tite, New Construction
H2750RICAT= 6" LED, Shallow, Insulated Ceiling, Air-Tite, Remodel
H750FR2ICAT= 6" LED, Insulated Ceiling, Air-Tite, Fire Safe New Construction Housing, 2-hour fire rated, 20W

Halo LED 5-inch
H550ICAT= 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing
H550RICAT= 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing

Halo LED retrofit
ML7E26RFK= 6" Retrofit Enclosure, Non-IC, E26 Screw base Interface
ML7BXFK= 6" Retrofit Enclosure, Non-IC, BX Whip

Halo Standard Housings 6-inch
H7ICAT= 6" Insulated Ceiling, Air-Tite New Construction Housing
H7RICAT= 6" Insulated Ceiling, Air-Tite Remodel Housing
H7ICT= 6" Insulated Ceiling, New Construction Housing
H7RICT= 6" Insulated Ceiling, Remodel Housing
H7ICATNB= 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
H7ICTNB= 6" Insulated Ceiling, New Construction Housing, No Socket Bracket

Halo Standard Housings 6-inch (continued)
H7T= 6" Non-IC, New Construction Housing
H7RT= 6" Non-IC, Remodel Housing
H7TNB= 6" Non-IC, New Construction Housing, No Socket Bracket
H7TCP= 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing
H7UICAT= 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing
E7ICAT= 6" Insulated Ceiling, Air-Tite New Construction Housing
E7RICAT= 6" Insulated Ceiling, Air-Tite Remodel Housing
E7ICATNB= 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
E7TAT= 6" Non-IC, New Construction Housing
E7RTAT= 6" Non-IC, Remodel Housing
E7TATNB= 6" Non-IC, New Construction Housing, No Socket Bracket

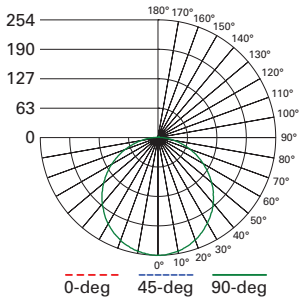
Halo Standard Housings 5-inch
H5ICAT= 5" Insulated Ceiling, Air-Tite New Construction Housing
H5RICAT= 5" Insulated Ceiling, Air-Tite Remodel Housing
H5ICATNB= 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
H5T= 5" Non-IC, New Construction Housing
H5RT= 5" Non-IC, Remodel Housing
H5TNB= 5" Non-IC, New Construction Housing, No Socket Bracket
E5ICAT= 5" Insulated Ceiling, Air-Tite New Construction Housing
E5RICAT= 5" Insulated Ceiling, Air-Tite Remodel Housing
E5ICATNB= 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
E5TAT= 5" Non-IC, New Construction Housing
E5RTAT= 5" Non-IC, Remodel Housing
E5TATNB= 5" Non-IC, New Construction Housing, No Socket Bracket

Halo Shallow Housings 6-inch
H27ICAT= 6" Shallow, Insulated Ceiling, Air-Tite New Construction
H27RICAT= 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing
H27T= 6" Shallow, Non-IC, New Construction Housing
H27RT= 6" Shallow, Non-IC, Remodel Housing
E27ICAT= 6" Shallow, Insulated Ceiling, Air-Tite New Construction
E27RICAT= 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing
E27TAT= 6" Shallow, Non-IC, New Construction Housing
E27RTAT= 6" Shallow, Non-IC, Remodel Housing

Halo Shallow Housings 5-inch
H25ICAT= 5" Shallow, Insulated Ceiling, Air-Tite New Construction
H25RICAT= 5" Shallow, Insulated Ceiling, Air-Tite Remodel
H25ICATNB= 5" Shallow, Insulated Ceiling, Air-Tite New Construction, No Socket Bracket

Accessories
SMD6ACCKIT= SMD6 Accessory Kit; use for recessed housing installation

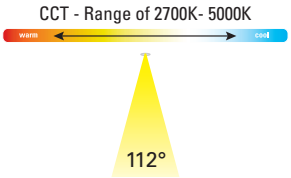
SMD4R69SWH



SMD4R69SWH - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.26
(Diagonal) 1.38

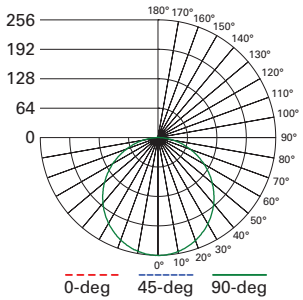
Beam Angle: 112°
Lumens: 737
Input Watts: 9.1 W
Efficacy: 81 LPW
Test Report:
SMD4R69SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	196	26.5
0-40	321	43.5
0-60	569	77.2
0-90	732	99.3



SMD4R69SWH	CCT	Watts	Lumens	LPW	CRI
600 Lumen 4” Round Selectable CCT	2700K	9.3	702	75.2	93
	3000K	9.4	718	76.7	93
	3500K	9.4	733	78.4	94
	4000K	9.4	747	79.9	94
	5000K	9.3	763	81.7	93

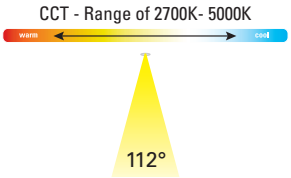
SMD4S69SWH



SMD4S69SWH - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.28
(Diagonal) 1.38

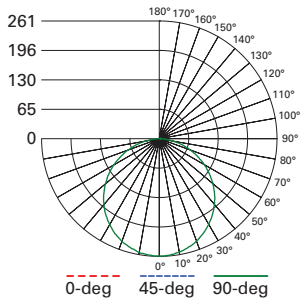
Beam Angle: 112°
Lumens: 741
Input Watts: 9.2 W
Efficacy: 81 LPW
Test Report:
SMD4S69SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	198	26.7
0-40	324	43.7
0-60	575	77.6
0-90	738	99.5



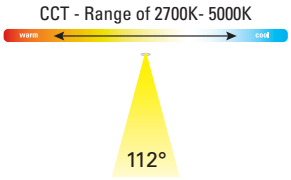
SMD4S69SWH	CCT	Watts	Lumens	LPW	CRI
600 Lumen 4” Square Selectable CCT	2700K	9.5	710	74.8	92
	3000K	9.5	724	76.1	93
	3500K	9.5	738	77.4	94
	4000K	9.5	749	78.5	94
	5000K	9.5	757	79.4	93

SMD6R69SWH



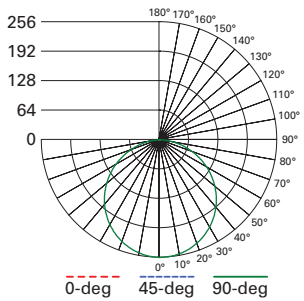
SMD6R69SWH - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.26
(Diagonal) 1.38
Beam Angle: 112°
Lumens: 757
Input Watts: 8.9 W
Efficacy: 85 LPW
Test Report:
SMD6R69SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	201	26.6
0-40	330	43.6
0-60	585	77.4
0-90	752	99.4



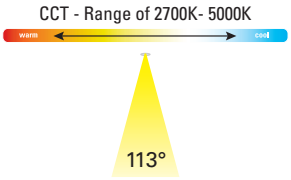
SMD6R69SWH	CCT	Watts	Lumens	LPW	CRI
600 Lumen 6” Round Selectable CCT	2700K	9.2	704	76.6	93
	3000K	9.2	716	77.8	93
	3500K	9.2	729	79.2	94
	4000K	9.2	742	80.5	94
	5000K	9.2	756	82.0	93

SMD6S69SWH



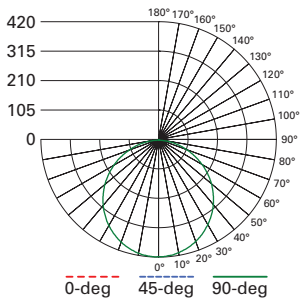
SMD6S69SWH - 3000K.IES
Spacing criterion: (0-180) 1.28
(90-270) 1.28
(Diagonal) 1.40
Beam Angle: 113°
Lumens: 752
Input Watts: 9.2 W
Efficacy: 82 LPW
Test Report:
SMD6S69SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	199	26.4
0-40	326	43.4
0-60	580	77.2
0-90	748	99.5



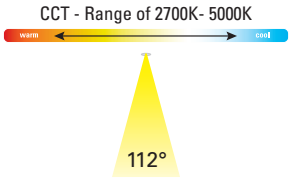
SMD6S69SWH	CCT	Watts	Lumens	LPW	CRI
600 Lumen 6” Square Selectable CCT	2700K	9.6	720	75.3	93
	3000K	9.6	735	76.7	93
	3500K	9.6	750	78.2	94
	4000K	9.6	764	79.5	94
	5000K	9.6	774	80.7	92

SMD6R129SWH



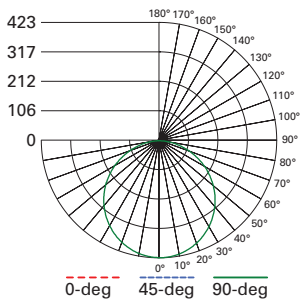
SMD6R129SWH - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.26
(Diagonal) 1.38
Beam Angle: 112°
Lumens: 1221
Input Watts: 14.9 W
Efficacy: 82 LPW
Test Report:
SMD6R129SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	325	26.6
0-40	533	43.6
0-60	945	77.4
0-90	1215	99.5



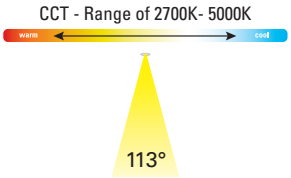
SMD6R129SWH	CCT	Watts	Lumens	LPW	CRI
1200 Lumen 6” Round Selectable CCT	2700K	15.2	1135	74.7	92
	3000K	15.2	1156	76.1	93
	3500K	15.2	1178	77.5	94
	4000K	15.2	1198	78.8	95
	5000K	15.2	1226	80.7	93

SMD6S129SWH



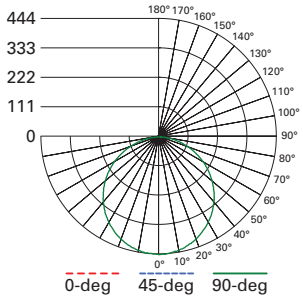
SMD6S129SWH - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.26
(Diagonal) 1.40
Beam Angle: 113°
Lumens: 1241
Input Watts: 14.9 W
Efficacy: 83 LPW
Test Report:
SMD6S129SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	329	26.5
0-40	539	43.5
0-60	960	77.3
0-90	1237	99.6



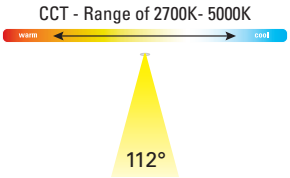
SMD6S129SWH	CCT	Watts	Lumens	LPW	CRI
1200 Lumen 6” Square Selectable CCT	2700K	15.5	1153	74.4	92
	3000K	15.5	1177	75.9	93
	3500K	15.5	1206	77.8	95
	4000K	15.5	1224	79.0	95
	5000K	15.4	1256	81.6	93

SMD6R129SWHE



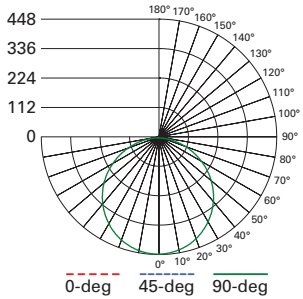
SMD6R129SWHE - 3000K.IES
Spacing criterion: (0-180) 1.24
(90-270) 1.24
(Diagonal) 1.38
Beam Angle: 112°
Lumens: 1289
Input Watts: 14.5 W
Efficacy: 89 LPW
Test Report:
SMD6R129SWHE - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	343	26.6
0-40	562	43.6
0-60	997	77.3
0-90	1282	99.5



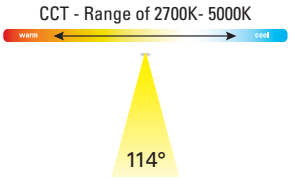
SMD6R129SWHE	CCT	Watts	Lumens	LPW	CRI
1200 Lumen 6” Round Selectable CCT 120-277V	2700K	14.7	1237	84.1	92
	3000K	14.7	1262	85.9	93
	3500K	14.7	1289	87.7	95
	4000K	14.7	1311	89.2	95
	5000K	14.7	1306	88.8	93

SMD6S129SWHE



SMD6S129SWHE - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.26
(Diagonal) 1.40
Beam Angle: 114°
Lumens: 1312
Input Watts: 14.7 W
Efficacy: 89 LPW
Test Report:
SMD6S129SWHE - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	348	26.5
0-40	570	43.5
0-60	1014	77.3
0-90	1307	99.6



SMD6S129SWHE	CCT	Watts	Lumens	LPW	CRI
1200 Lumen 6” Square Selectable CCT 120-277V	2700K	15.1	1225	81.1	92
	3000K	15.1	1251	82.8	93
	3500K	15.1	1277	84.6	95
	4000K	15.1	1299	86.0	95
	5000K	15.1	1327	87.9	93

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