

LED Specifications



20 Linear

ProTools 60 Linear

60 Linear Flush

100 Linear Flush

Coves

Perimeter / Wallgraze

LED GUIDE

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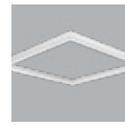
20 Linear LED Specifications



20 Linear Recessed
1, 2, 3, 4, 5, 7, 8



20 Linear Recessed Flush
1, 2, 3, 4, 5, 7



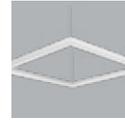
20 Linear Surface Frame Square
1, 3



20 Linear Surface
1, 2, 3, 4, 5, 6, 7, 8, 11



20 Linear Recessed Regressed
1, 2, 3, 4, 5, 6, 7, 11



20 Linear Direct/Indirect Suspended Frame Square
1, 3



20 Linear Suspended
1, 2, 3, 5



20 Linear Perimeter Flush
1, 2, 3, 4, 5, 7



20 Linear Surface Frame Rectangle
1, 3



20 Linear Direct/Indirect Suspended
1, 2, 3, 5



20 Linear Perimeter Regressed and Wallgraze
1, 2, 3, 4, 5, 6, 7, 11



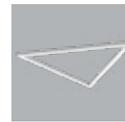
20 Linear Direct/Indirect Suspended Frame Rectangle
1, 3



20 Linear Direct/Indirect Surface Wall
1, 2, 3, 5, 6, 7



20 Linear Mini Edgeless Cove
1, 2, 3, 5, 6, 7, 11



20 Linear Surface Frame Triangle
1, 3



20 Linear Wash Light Recessed
1, 2, 3, 4, 5, 6, 7, 11



Mini Edgeless Cove + 20 Linear Direct
1, 2, 3, 5, 6, 7



20 Linear Direct/Indirect Suspended Frame Triangle
1, 3



20 Linear Wash Light Surface
1, 2, 3, 4, 5, 6, 7, 11



20 Linear Mini Z Cove
1, 2, 3, 5, 6, 7, 11



20 Linear Direct/Indirect Suspended Ypsilon
1, 3



20 Linear Wash Light Suspended
1, 2, 3, 5



20 Linear Under Cabinet
1, 2, 3



20 Linear Multi - Suspended
9



20 Linear Wash Light Semi-Recessed
1, 2, 3, 4, 5, 6, 7, 11



20 Linear Wand
1, 3

LED GUIDE

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* - CV RGBW and Tunable White COB LEDs are provided for visible lens applications when RGBW / TW offered standard.

ProTools 60 Linear LED Specifications



ProTools 60 Linear Downlight
Recessed
9, 10, 11, 12



ProTools 60 Linear Downlight
6" / 12" Recessed
9, 10, 11, 12



ProTools 60 Linear Wall Wash
Recessed
9, 11



ProTools 60 Linear Wall Graze
Recessed
10, 12



ProTools 60 Linear Perimeter
Recessed
9, 11



ProTools 60 Linear Downlight
Surface Mount
9, 10, 11, 12



ProTools 60 Linear Downlight
6" / 12" Surface Mount
9, 10, 11, 12



ProTools 60 Linear Downlight
Suspended
9, 10, 11, 12



ProTools 60 Linear Direct/Indirect
Suspended
9, 10, 11, 12



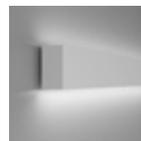
ProTools 60 Linear Studio
Downlight Suspended
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ProTools 60 Linear Studio
Downlight Surface Mount
9



ProTools 60 Linear Downlight
Wall / Mullion Mount
9, 10, 11, 12



ProTools 60 Linear Direct/Indirect
Wall / Mullion Mount
9, 10, 11, 12

LED GUIDE

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60 Linear LED Specifications



60 Linear Recessed
Flush Lens
6, 9, 11



60 Linear Surface
Flush Lens
6, 9, 11



60 Linear Suspended
Flush Lens
6, 9, 11



60 Linear Direct/Indirect Suspended
Flush Lens
6, 9, 11



60 Linear Wall Direct or Indirect
Flush Lens
6, 9, 11



60 Linear Wall Direct / Indirect
Flush Lens
6, 9, 11



City Linear
1, 3



City Linear Suspended
Frame
1, 3



City Linear Suspended
Frame Horizontal
1, 3



City Linear Suspended
Frame Vertical
1, 3



City Linear Outdoor
4

LED GUIDE

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100 Linear LED Specifications



100 Linear Recessed
Flush Lens
6, 9, 11



100 Linear Surface
Flush Lens
6, 9, 11



100 Linear Suspended
Flush Lens
6, 9, 11

LED GUIDE

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CC1.3 Tunable White	11

Cove LED Specifications



Edgeless Cove
5, 6, 9, 11



Mini Edgeless Cove
5, 6, 9, 11



Mini Edgeless Cove
+ 20 Linear Direct
1, 2, 3, 5, 6, 7



Box Cove
5, 6, 9, 11



Box Cove (Plaster Trim)
5, 6, 9, 11



Mini Box Cove
5, 6, 9, 11



Mini Box Cove (Plaster Trim)
5, 6, 9, 11



Mini Cove
9, 11



Box Cove 2
5, 6, 9, 11



20 Linear Mini Edgeless Cove
1, 2, 3, 4, 5, 6, 7, 11



WedgeCove Indoor
1, 3



WedgeCove Outdoor
4

Soft Cove



Mini Edgeless Cove
Soft Corner 90°
9, 11



Mini Edgeless Cove
Soft Corner 180°
9, 11



Mini Edgeless Cove
Soft Circle 360°
9, 11



Mini Edgeless Cove
Soft Shapes
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LED GUIDE

CV1.3 Static White	1
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CV RGBW COB	7
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Perimeter / Wallgraze LED Specifications



V Cove
5, 6, 9, 11



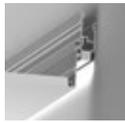
Z Cove
5, 6, 9, 11



20 Linear Mini Z Cove
1, 2, 3, 5, 6, 7, 11



20 Linear Perimeter
Flush
1, 2, 3, 4, 5, 7



20 Linear Perimeter
Regressed and Wallgraze
1, 2, 3, 4, 5, 6, 7, 11



ProTools 60 Linear
Perimeter Recessed
9, 11



ProTools 60 Linear
Wall Graze Recessed
10, 12

LED GUIDE

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CV1.3W Static White Wet Location	4
CV Warm Dim	5
CV RGBW	6
CV RGBW COB	7
CC1.4 Static White	9
CC1.3 Power LED Static White	10
CC1.3 Tunable White	11
CC1.3 Power LED Tunable White	12



Advantages

- Available in multiple lengths to accommodate exacting installations
- Multiple wattages and lumen output for maximum flexibility within any application
- Four (4) standard color temperatures from 2700K-4000K; non-standard available
- Compatible with all common dimmer and control standards such as 0-10V, 3-wire, forward phase w/ neutral, DALI and DMX. For others, please contact factory
- High efficiency design delivers more lumens per watt
- Same LED technology used throughout all Whitegoods products for color and performance consistency
- 5-year warranty

Technical Data

■ form	linear
■ fcircuitry	parallel
■ power (W/ft)	3W, 6W, 10W
■ supply type	CV
■ operating voltage (VDC)	24
■ color rendering index Ra	90+
■ MacAdam	3 step
■ viewing angle (°)	120
■ LED (SMD) quantity (per foot)	72 (3W/6W), 80 (10W)
■ Cut increment	1.31" (3W/6W), 1.23" (10W)
■ lifetime—L70 (h)*	60,000
■ working temperature	-77°F - 104°F

*Tested to LM80

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft)	lm/watt
3	2700	341	114
3	3000	359	120
3	3500	365	122
3	4000	375	125
6	2700	685	114
6	3000	725	121
6	3500	735	123
6	4000	755	126
10	2700	1090	109
10	3000	1150	115
10	3500	1170	117
10	4000	1200	120



Advantages

- Available in multiple lengths to accommodate exacting installations
- Multiple wattages and lumen output for maximum flexibility within any application
- Four (4) standard color temperatures from 2700K-4000K; non-standard available
- Compatible with all common dimmer and control standards such as 0-10V, 3-wire, forwardphase w/neutral, DALI and DMX. For others, please contact factory
- High efficiency design delivers more lumens per watt
- Same LED technology used throughout all Whitegoods products for color and performance consistency
- 5-year warranty

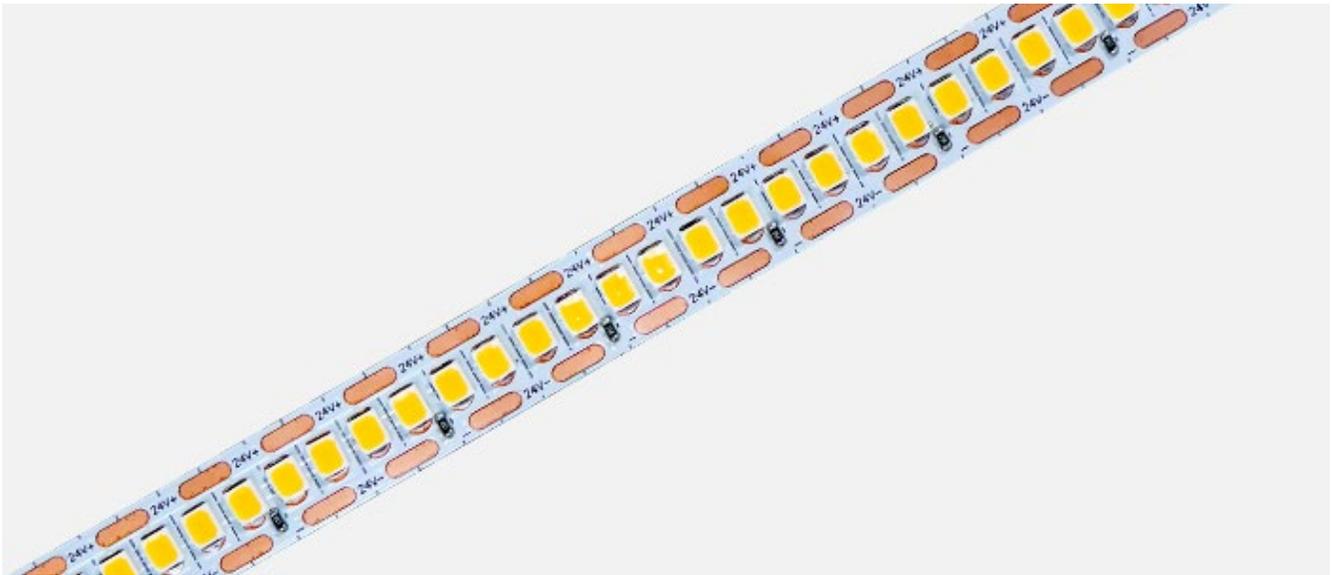
Technical Data

- form linear
- circuitry parallel
- power (W/ft) 10W
- supply type CV
- operating voltage (VDC) 24
- color rendering index Ra 90+
- MacAdam 3 step
- viewing angle (°) 120
- LED (SMD) quantity (per foot) 70
- PCB substrate FR4
- lifetime-L70 (h)* 60,000
- working temperature -40°C - 100°C

*Tested to LM80

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft)	lm/watt
10	2700	1491	149
10	3000	1491	149
10	3500	1491	149
10	4000	1491	149

Conformal coated boards for damp and wet location applications are available.



Advantages

- Available in multiple lengths to accommodate exacting installations
- Multiple wattages and lumen output for maximum flexibility within any application
- Four (4) standard color temperatures from 2700K-4000K; non-standard available
- Compatible with all common dimmer and control standards such as 0-10V, 3-wire, forward phase w/ neutral, DALI and DMX. For others, please contact factory
- High efficiency design delivers more lumens per watt
- Same LED technology used throughout all Whitegoods products for color and performance consistency
- 5-year warranty

Technical Data

■ form	linear
■ circuitry	parallel
■ power (W/ft)	3.7 / 6.6
■ supply type	CV
■ operating voltage (VDC)	24
■ color rendering index Ra	90+
■ MacAdam	3 step
■ viewing angle (°)	120
■ LED (SMD) quantity (per foot)	72
■ Cut increment	0.16" / 4.17mm
■ lifetime—L70 (h)*	84,000
■ working temperature	-13°F - 104°F

*Tested to LM80

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft)	lm/watt
3.7	2700	470	127
3.7	3000	496	134
3.7	3500	503	136
3.7	4000	511	138
6.6	2700	844	127
6.6	3000	890	134
6.6	3500	904	136
6.6	4000	917	138



Advantages

- Suitable for Wet Location IP67 (6.5W IP65)
- Available in multiple lengths to accommodate exacting installations
- Multiple wattages and lumen output for maximum flexibility within any application
- Five (5) standard color temperatures from 2700K-4000K and Amber (4.5W only); non-standard available
- Compatible with all common dimmer and control standards such as 0-10V, 3-wire, forward phase w/ neutral, DALI and DMX. For others, please contact factory
- High-efficiency design delivers more lumens per watt
- Same LED technology used throughout all Whitegoods products for color and performance consistency
- 5-year warranty

Technical Data

■ form	linear
■ fcircuitry	parallel
■ power (W/ft)	1.5W, 3W, 4.5W, 6.5W
■ supply type	CV
■ operating voltage (VDC)	24
■ color rendering index Ra	90+ (except amber)
■ MacAdam	3 step
■ viewing angle (°)	120
■ LED (SMD) quantity (per foot)	72 (1.5W/3W), 80 (4.5W/6.5W)
■ Cut increment	1.96" (1.5W/3W/4.5W), 1.31" (6.5W)
■ lifetime–L70 (h)*	50,000
■ working temperature	-4°F - 113°F

*Tested to LM80

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft)	lm/watt
1.5	2700	194	130
1.5	3000	204	137
1.5	3500	204	137
1.5	4000	216	145
3	2700	380	130
3	3000	400	137
3	3500	400	137
3	4000	409	145
4.5	Amber	124	28
6.5	2700	812	126
6.5	3000	857	133
6.5	3500	857	133
6.5	4000	893	141



Advantages

- Available in multiple lengths to accommodate exacting installations
- Multiple wattages and lumen output for maximum flexibility within any application
- One (1) standard color temperatures from 1800K-3000K
- Compatible with all common dimmer and control standards such as 0-10V, 3-wire, forward phase w/ neutral, DALI and DMX. For others, please contact factory
- High efficiency design delivers more lumens per watt
- Same LED technology used throughout all Whitegoods products for color and performance consistency
- 5-year warranty

Technical Data

■ form	linear
■ fcircuitry	parallel
■ power (W/ft)	2.7W, 5.5W, 8W
■ supply type	CV
■ operating voltage (VDC)	24
■ color rendering index Ra	92+
■ MacAdam	2 step
■ viewing angle (°)	120
■ LED (SMD) quantity (per foot)	68 (2.7/5.2W), 51 (8W)
■ Cut increment	2.46" (2.7W / 5.5W), 3.28" (8W)
■ lifetime—L70 (h)*	36,000
■ working temperature	-13°F - 140°F

*Tested to LM80

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft) ¹	lm/watt
2.7	3000K – 1800K	232	86
5.5	3000K – 1800K	482	88
8	3000K – 1800K	697	87

¹Luminous Flux shown for maximum output (CCT = 3000K).



Advantages

- Available in multiple lengths to accommodate exacting installations
- RGBW LEDs for use in indirect view applications
- RGBW with (4) standard color temperatures for the White LED
- Compatible with DMX dimmer and control
- Same LED technology used throughout all Whitegoods products for color and performance consistency
- 5-year warranty

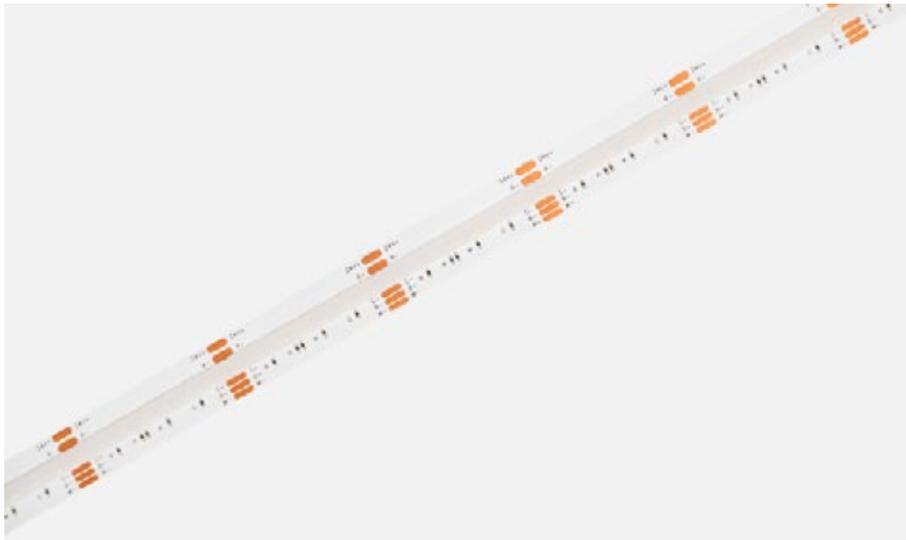
Technical Data

■ form	linear
■ fcircuitry	parallel
■ power (W/ft)	7.6W
■ supply type	CV
■ operating voltage (VDC)	24
■ color rendering index Ra	90+ (White)
■ viewing angle (°)	120
■ LED (SMD) quantity (per foot)	30 LEDs
■ Cut increment	2.5"
■ lifetime–L70 (h)*	50,000
■ working temperature	-13° F - 104°F

*Tested to LM80

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft) ¹	lm/w
7.6	RGBW (2700K)	387 (201)	51
7.6	RGBW (3000K)	394 (208)	52
7.6	RGBW (3500K)	409 (223)	54
7.6	RGBW (4000K)	421 (235)	55

¹Luminous Flux noted is with all colors and white at full brightness.
Lumen value indicated in parenthese is White contribution.



Advantages

- Available in multiple lengths to accommodate exacting installations
- RGBW COB LEDs for use in direct view applications
- RGBW with (4) standard color temperatures for the White LED
- Compatible with DMX dimmer and control
- Same LED technology used throughout all Whitegoods products for color and performance consistency
- 5-year warranty

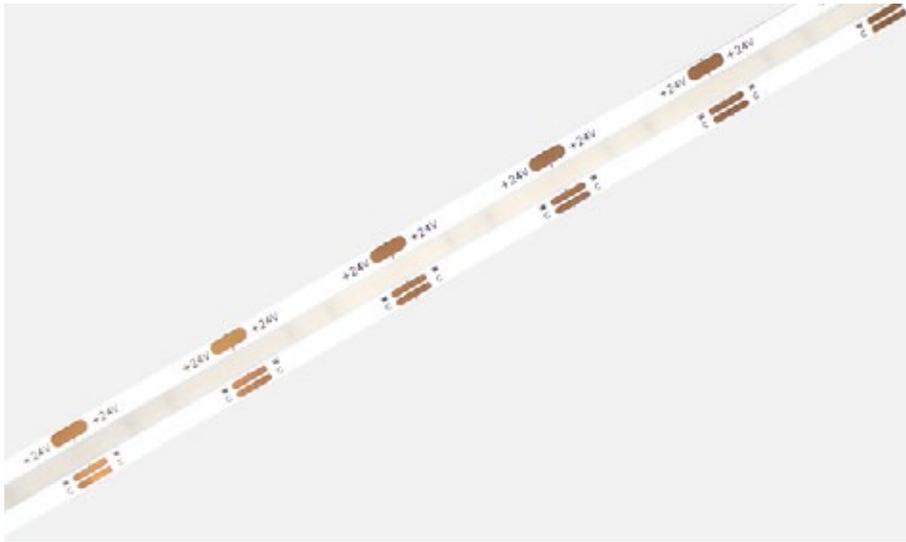
Technical Data

■ form	linear
■ fcircuitry	parallel
■ power (W/ft)	5.6W
■ supply type	CV
■ operating voltage (VDC)	24
■ color rendering index Ra	n/a
■ viewing angle (°)	120
■ LED (SMD) quantity (per foot)	COB
■ Cut increment	1.31"
■ lifetime–L70 (h)*	60,000
■ working temperature	-13° F - 104°F

*Tested to LM80

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft)	lm/w
5.6	RGBW (2700K)	299 (145)	53
5.6	RGBW (3000K)	299 (146)	53
5.6	RGBW (3500K)	306 (148)	55
5.6	RGBW (4000K)	320 (149)	57

Optional LED supplied as needed based on fixture and lens applications



Advantages

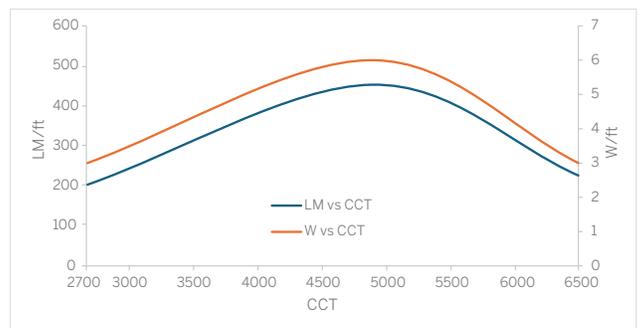
- Available in multiple lengths to accommodate exacting installations
- Tunable White COB LEDs for use in direct view applications
- One (1) standard color temperature from 2700K - 6500K
- Compatible with Dali dimmer and controls
- High efficiency design delivers more lumens per watt
- Same LED technology used throughout all Whitegoods products for color and performance consistency
- 5-year warranty

Technical Data

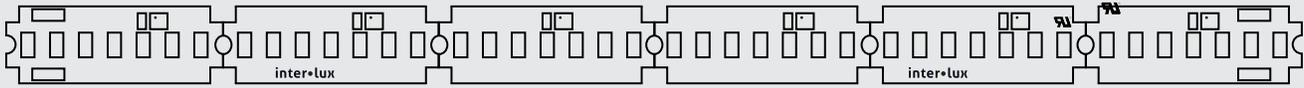
■ form	linear
■ fcircuitry	parallel
■ power (W/ft)	6W
■ supply type	CV
■ operating voltage (VDC)	24
■ color rendering index Ra	90+
■ viewing angle (°)	120
■ LED (SMD) quantity (per foot)	COB
■ Cut increment	1.1"
■ lifetime–L70 (h)*	60,000
■ working temperature	-13° F - 104°F

*Tested to LM80

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft)	lm/w
3.0	2700K	203	75
3.0	6500K	226	83
6.0	2700K + 6500K	453	83



Optional LED supplied as needed based on fixture and lens applications



2 15/16" breakable sections

Advantages

- Same LED technology used throughout all Whitegoods products for color and performance consistency
- Multiple wattages and lumen output for maximum flexibility within any application
- Four (4) standard color temperatures from 2700K-4000K; non-standard available
- High efficiency design delivers more lumens per watt
- Tested to LM80 standards
- 5-year warranty

Technical Data

- form linear
- wattage (W/ft) 1.5W, 3W, 6W, 10W, 15W
- supply type Constant Current
- color rendering index Ra > 90
- MacAdam 3 step
- viewing angle (°) 120
- LED (SMD) quantity (per foot) 48
- PCB substrate FR4
- lifetime–L70 (h) 50,000
- working temperature -20°C - 75°C

Power	Wattage (w/ft)	Current (mA)	CCT (k)	Lum.Flux (lm/ft)	lm/watt
P0	1.5	150	2700	286	187
			3000	292	191
			3500	299	196
			4000	302	198
P1	3	300	2700	574	186
			3000	586	190
			3500	600	195
			4000	607	197
P2	6	600	2700	1135	180
			3000	1160	184
			3500	1188	188
			4000	1200	184
P3	10	950	2700	1771	174
			3000	1810	178
			3500	1854	182
			4000	1873	184
P4	15	1400	2700	2566	168
			3000	2621	171
			3500	2686	176
			4000	2713	177

Conformal coated boards for damp and wet location applications are available.



6" breakable sections

Advantages

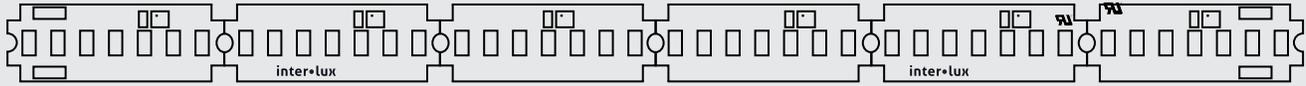
- Same LED technology used throughout all Whitegoods products for color and performance consistency
- Multiple wattages and lumen output for maximum flexibility within any application
- Four (4) standard color temperatures from 2700K-4000K; non-standard available
- High efficiency design delivers more lumens per watt
- Tested to LM80 standards
- 5-year warranty

Technical Data

- form linear
- power (W/ft) 1.5W, 3W, 6W, 10W, 15W
- supply type Constant Current
- color rendering index Ra > 90
- MacAdam 3 step
- viewing angles (°) 20, 30, or 50
- LED (SMD) quantity (per foot) 32
- PCB substrate AL
- lifetime–L70 (h) 50,000
- working temperature -20°C - 85°C

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft)	lm/watt
1.5	2700	285	185
1.5	3000	291	190
1.5	3500	298	194
1.5	4000	301	196
3	2700	570	182
3	3000	583	186
3	3500	595	190
3	4000	602	192
6	2700	1120	175
6	3000	1142	178
6	3500	1171	183
6	4000	1184	185
10	2700	1687	168
10	3000	1722	171
10	3500	1767	176
10	4000	1783	177
15	2700	2403	159
15	3000	2455	162
15	3500	2515	166
15	4000	2541	168

Conformal coated boards for damp and wet location applications are available.



3" breakable sections

Advantages

- Same LED technology used throughout all Whitegoods products for color and performance consistency
- Multiple wattages and lumen output for maximum flexibility within any application
- Tuneable range of color temperatures from 1800K to 4000K and 2700K to 6500K
- Flicker free dimming
- High efficiency design delivers more lumens per watt
- Tested to LM80 standards
- 5-year warranty

Technical Data

- form linear
- power (W/ft) 1.5W, 3W, 6W, 10W, 15W
- supply type Constant Current
- color rendering index Ra > 90
- viewing angle (°) 120
- LED (SMD) quantity (per foot) 64
- PCB substrate FR4
- lifetime–L70 (h) 50,000
- working temperature -20°C - 75°C

Power (W/ft)	Wattage (W/ft)	Current (mA)	CCT (K)	Lum.Flux (lm/ft)	Efficacy (lm/W)
P0	1.5	150	1800K-4000K	186-305	124-204
P1	3	300	1800K-4000K	355-579	119-193
P2	6	600	1800K-4000K	679-1123	113-187
P3	10	920	1800K-4000K	1085-1783	108-179
P4	15	1300	1800K-4000K	1539-2516	103-168
P0	1.5	150	2700K-6500K	288-302	152-202
P1	3	300	2700K-6500K	548-573	140-191
P2	6	600	2700K-6500K	1062-1112	137-185
P3	10	920	2700K-6500K	1686-1765	132-177
P4	15	1300	2700K-6500K	2380-2491	126-166

CC1.3 Tunable White PowerLED

Specification



6" breakable sections

Advantages

- Same LED technology used throughout all Whitegoods products for color and performance consistency
- Multiple wattages and lumen output for maximum flexibility within any application
- Tuneable range of color temperatures from 1800 – 4000K and 2700 – 6500K
- Flicker free dimming
- High efficiency design delivers more lumens per watt
- Tested to LM80 standards
- 5-year warranty

Technical Data

- form linear
- power (W/ft) 1.5W, 3W, 6W, 10W, 15W
- supply type Constant Current
- color rendering index Ra > 90
- viewing angles (°) 20, 30, or 50
- LED (SMD) quantity (per foot) 32
- PCB substrate AL
- lifetime–L70 (h) 50,000
- working temperature -20°C - 85°C

Power (W/ft)	Wattage (W/ft)	Current (mA)	CCT (K)	Lum.Flux (lm/ft)	Efficacy (lm/W)
P0	1.5	150	1800 – 4000K	178 – 290	118 – 193
P1	3	300	1800 – 4000K	341 – 557	114 – 186
P2	6	600	1800 – 4000K	638 – 1042	106 – 174
P3	10	950	1800 – 4000K	978 – 1597	98 – 160
P4	15	1300	1800 – 4000K	1382 – 2258	92 – 151
P0	1.5	150	2700 – 6500K	274 – 287	183 – 191
P1	3	300	2700 – 6500K	527 – 552	176 – 184
P2	6	600	2700 – 6500K	985 – 1032	164 – 172
P3	10	950	2700 – 6500K	1510 – 1581	151 – 158
P4	15	1300	2700 – 6500K	2135 – 2235	142 – 149