Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	

HALO

LT56 5"/6" Recessed LED Trims

These LT LED Trims are ideal for quickly installing energy-saving downlighting in 5" and 6" recessed housings. The LT Series offers 5-color seleCCTable™ technology with flicker-free dimming to 10%. The safe, non-conductive dead-front trims come in baffle or smooth splay options. Decorative overlays are also available in 4 finishes.

Typical Applications Residential

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Energy Data page 4
- Photometric Data page 5
- Product Warranty
- Dimming Guide

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.[1]
Certified to California Appliance Efficiency Database under JA8.[1]

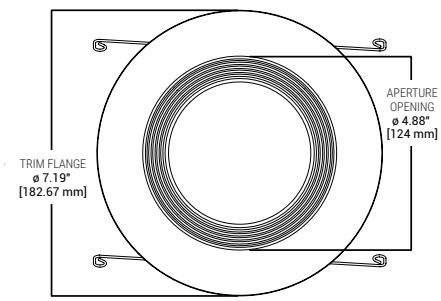
Top Product Features

- Round 5"/6" Recessed LED Trims suitable for new construction, remodel, and retrofit installation in most 5" or 6" IC (insulation contact) or non-IC housings
- **Lens & Trim:** Recessed baffle or smooth splay trims with smooth flat diffuse lens
- **5-Color Field-SeleCCTable:** 2700K, 3000K, 3500K, 4000K, 5000K; 90+ CRI
- **Brightness:** 750 or 1200 lumen versions (nominal)
- **Dimming:** Dims to 10% (phase cut LE/TE); 120V input
- Includes preinstalled torsion springs, orange LED Quick Connect and E26 medium socket adapter
- Meets AIR-TITE and code compliance for additional energy savings
- **Life:** 35,000 hrs of maintenance-free operation in damp or wet locations
- 5-year warranty

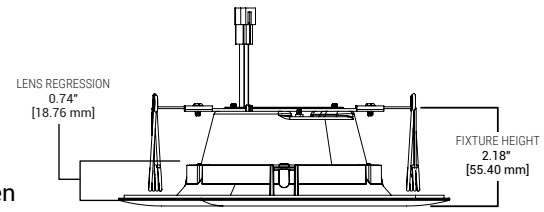
Dimensional and Mounting Details

Package includes: E26 Screw Base Adapter

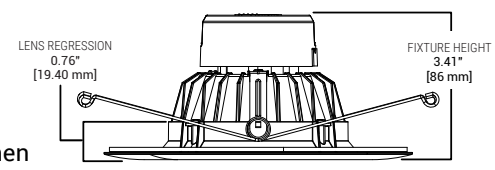
Installs in 5" or 6" housings



LT56 -750 Lumen



LT56 -1200 Lumen



1. T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

Order Information

A complete downlight consists of an integrated LED trim and a recessed housing (order separately).

Individuals

Catalog Number	Module	Lumens (@3000K)	CRI/CCT	Finish	Packaging
LT56079FS1EWHR	5/6-inch Recessed Baffle LED Trim	795 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte White	Plastic-free & Fully Recyclable
LT56129FS1EWHR	5/6-inch Recessed Baffle LED Trim	1345 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte White	Plastic-free & Fully Recyclable
LTSS56079FS1EWHR	5/6-inch Recessed Smooth Splay LED Trim	790 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte White	Plastic-free & Fully Recyclable
LTSS5612FS1EWHR	5/6-inch Recessed Smooth Splay LED Trim	1345 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte White	Plastic-free & Fully Recyclable
LTT5607FSMB	5/6-inch Recessed Baffle LED Trim	804 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte Black	Plastic-free & Fully Recyclable
LTT5612FSMB	5/6-inch Recessed Baffle LED Trim	1274 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte Black	Plastic-free & Fully Recyclable
LTT5607FSMBSS	5/6-inch Recessed Smooth Splay LED Trim	803 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte Black	Plastic-free & Fully Recyclable

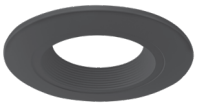
Multi-packs

Catalog Number	Module	Lumens	CRI/CCT	Finish	Packaging
LT56079FS1EWHR4PK	5/6-inch Recessed Baffle LED Trim	795 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte White	4-Pack, Plastic-free & Fully Recyclable
LT56079FS1EWHR6PK	5/6-inch Recessed Baffle LED Trim	795 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte White	6-Pack, Plastic-free & Fully Recyclable
LTT5607FSMB-4PK	5/6-inch Recessed Baffle LED Trim	804 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte Black	4-Pack, Plastic-free & Fully Recyclable
LTT5607FSMB-6PK	5/6-inch Recessed Baffle LED Trim	804 lumens	90+ CRI, field selectable CCT: 2700K,3000K, 3500K, 4000K, 5000K	Matte Black	6-Pack, Plastic-free & Fully Recyclable

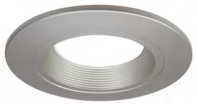
Optional Accessories - Decorative Baffle Trim Overlays (sold separately)

Catalog Number	Description
LT56OMWB	5/6-inch Overlay, Paintable Matte White
LT56OMBB	5/6-inch Overlay, Matte Black
LT56OSNB	5/6-inch Overlay, Satin Nickel
LT56OTBZB	5/6-inch Overlay, Tuscan Bronze
HE26LED	Replacement medium E26 screw base adapter (1 is already included with unit)
ML7RAB	Retrofit Adapter Band – use with existing 5" & 6" housings that do not have torsion spring receivers

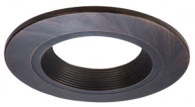
LT56OMWB
White (Paintable), Baffle



LT56OMBB
Matte Black, Baffle



LT56OSNB
Satin Nickel, Baffle



LT56OTBZB
Tuscan Bronze, Baffle

Compatible Housings

HALO - 6" Housings [1]

HALO LED	H750ICAT, H750RICAT, H750T, H750TCP, H2750ICAT, H2750RICAT, H550ICAT, H550RICAT, E550ICAT, E550RICAT, E750ICAT, E750RICAT
Standard Housing	H7ICAT, H7ICT, H7T, H7ICATNB, H7ICTNB, H7TNB, H7UICAT, H7TCP, H7RICAT, H7RICT, H7RT, E7ICAT, E7ICATNB, E7RICAT, E7RTAT, E7TAT, E7TATNB, H7UICAT, H7ICATNB, H7ICTNB, H7TNB, H7UICAT
Shallow Housing	H27ICAT, H27RICAT, H27ICT, H27RICT, H27T, H27RT, EI2700AT, EI2700, EI2700R, ET2700, ET2700R, E27ICAT, E27RICAT, E27TAT, E27RTAT
Fire Rated Housing	H750FR2ICATD010

HALO - 5" Housings [1]

Halo LED	H550ICAT, H550RICAT, E550ICAT, E550RICAT
Standard Housing	H5ICAT, H5ICATNB, H5RICAT, H5T, H5TNB, H5RT, E5ICAT, E5ICATNB, E5RICAT, E5RTAT, E5TAT, E5TATNB
Shallow Housing	H25ICAT, H25RICAT, H25ICATNB
Fire Rated Housing	H550FR2ICATD010

LUMINAIRES - UL Classified for retrofit compatibility

Note: Compatible with any 5" or 6" diameter recessed luminaire with an internal volume that exceeds 115 in^3 in addition to those listed below.

Juno	Standard Housing	IC22, IC22R, IC22W, IC22S, IC23, IC23W, TC2, TC2R, IC2
	Shallow Housing	IC21, IC21R
Capri	Standard Housing	CR1, PR1, QL1
	Shallow Housing	R9ASIC/PS9RM
Elco		HL7ICA (EL7ICA)
Thomas		PS1
Commercial Electric		C7ICA, H3

Lithonia Lighting	Standard Housing	LC6, L7X
	Shallow Housing	L7XP
Progress Lighting	Standard Housing	P87-AT†*
	Shallow Housing	P86TG
Lightolier		1104ICS†*, 1104ICR†*

1. This fixture is UL Certified for use with any 5" or 6" diameter recessed luminaire constructed of steel or aluminum with an internal volume that exceeds 107.9 in^3 addition to those noted below and does not exceed the input rating of the luminaire.

Specification Features

Module
- The LED module consists of an LED array, optical assembly, driver, and self-flanged trim
- Round recessed baffle or smooth splay trim and smooth flat lens
- Integral aluminum heat sink provides passive thermal cooling achieving L70 at 35,000 hrs in IC (insulation contact) and non-IC applications

LED Array
- Color Temperature (CCT): Available in 5-color seleCCTable CCT: 2700K, 3000K, 3500K, 4000K, 5000K (soft white, bright white, neutral white, cool white, daylight)
- Mid-power LED array provides a uniform light source with high efficiency, long life, and no pixilation
- 90+ CRI minimum, R9 greater than 50
- Color accuracy at 4 SDCM in between endpoints provides color consistency and uniformity

Optical Assembly
- Optical assembly provides wide light distribution – useful for general area and task lighting
- Diffuse injection molded lens with smooth flat profile
- Meets ENERGY STAR® color angular uniformity requirements

Driver
- Integral 120V 60Hz constant current driver provides noise-free, high-efficiency operation
- **Dimmable:** Continuous, flicker-free dimming from 100% to 10% with compatible leading or trailing edge (LE/TE) 120V phase cut dimmers. (See Dimming Guide for compatible dimmers.)
  Tip: For optimal dimming performance, consider dimmers with low-end trim adjustment; note that some dimmers require a neutral wire in the box
- **Wiring:** Includes inline electrical orange LED Quick Connect and E26 medium socket adapter provides mains connections
- A separate ground wire and mounting hardware ensures proper ground connection to housing

Retention
- Preinstalled steel torsion springs hold the module securely in the housing (requires torsion spring receivers)
- Ships with torsion springs in the 6" position, adjusts to 5" position with two Phillips-head screws

Trim
- The one-piece step baffle or smooth splay and self-flanged trim ring provide lens regression and reduced light leaks
- Injection molded plastic construction is impact-resistant and non-corrosive
- Non-conductive construction meets most local dead-front code requirements

Gasket
- Due to the HALO LT/LTE design, a gasket is not required to achieve AIR-TITE code requirements (caulking can be used for additional sealing if necessary for local code)

Compliance
- UL Certified for US and Canada, type IC suitable for UL-Certified for US and Canada, type IC suitable for direct contact with air permeable insulation
- UL-Certified for US and Canada for use with HALO housings, classified for use with others' housings; see instruction sheet for conditions of acceptability
- Wet location-listed and IP66 ingress protection-rated
- Airtight per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC47CFR Part 15 consumer limits
- Contains no mercury or lead and is RoHS compliant[1]
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high-efficacy luminaire compliance; reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings[1]
- ENERGY STAR® listed; reference database for current listings
- Meets State of California voluntary lamp standards
- Lighting Facts labeled

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/warranty

Energy Data

LT56 DOB - 750 Lumen

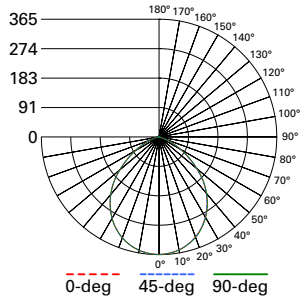
Lumens (nominal)	750LM
Input Voltage	120V
Input current	0.065A
Input Power	8.75W
Efficiency	63.50%
Inrush(A)	3.74
THD	25.70%
PF	0.966
T Ambient	-30 - +40°C
Sound Rating	18.024dB @1feet

LT56 - 1200 Lumen

Lumens (nominal)	1200LM
Input Voltage	120V
Input current	0.105A
Input Power	12.4W
Efficiency	84.00%
Inrush(A)	2.9
THD	14.50%
PF	0.97
T Ambient	-30 - +40°C
Sound Rating	20.2db@30cm

1. T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

Photometric Data



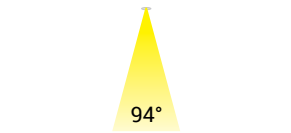
LT56079FS1EWHR_3000K

Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.27
Beam Angle: 95.7°
Field Angle: 141.4°
Lumens: 795
Input Watts: 8.6 W
Efficacy: 92.4 LPW
UGR: 22.6
Test Report: P798568

Zonal Lumen	Lumens	% Lumens
0-30	273.2	34.4
0-40	435.2	54.7
0-60	708.2	89.1
0-90	794.1	99.9

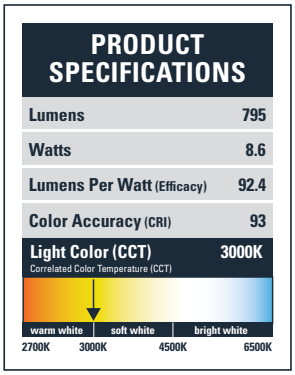
TM-30-15	Rf = 92
	Rg = 101
CRI/CIE	Ra = 93
	R9 = 83.2

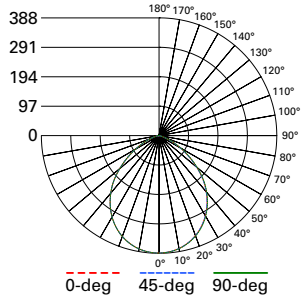
CCT - Range of 2700K- 5000K



LT56 5CCT				
CCT	Watts	lumens	LPW	CRI
2700K	8.5	760	89.4	93
3000K	8.6	795	92.4	93
3500K	8.0	790	98.8	93
4000K	8.5	795	93.5	93
5000K	8.0	780	97.5	93

LT56079FS1EWHR_3000K





LTT5607FSMB_3000K

Spacing Criteria (0/90/45): 1.16/1.16/1.26
Beam Angle: 93°
Field Angle: 138°
Lumens: 804
Input Watts: 8.5 W
Efficacy: 94.6 LPW
UGR: 23.7
Test Report: P995440

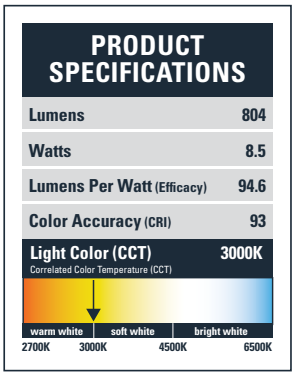
Zonal Lumen	Lumens	% Lumens
0-30	289	35.9
0-40	457.8	56.9
0-60	732.7	91.1
0-90	804	100

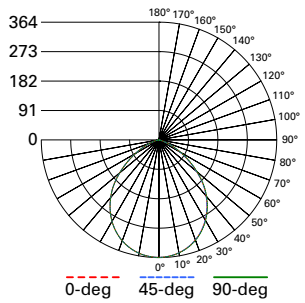
TM-30-15	Rf = 92
	Rg = 101
CRI/CIE	Ra = 95.7
	R9 = 74

CCT - Range of 2700K- 5000K

LT56 5CCT				
CCT	Watts	lumens	LPW	CRI
2700K	8.4	785	93.5	93
3000K	8.5	804	94.6	93
3500K	8.3	820	98.8	93
4000K	8.5	826	97.2	93
5000K	8.5	824	96.9	93

LTT5607FSMB_3000K





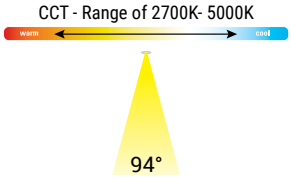
LTSS56079FS1EWHR_3000K

Spacing Criteria (0/90/45):
1.17 / 1.17 / 1.26
Beam Angle: 94.8°
Field Angle: 141.6°
Lumens: 789.7
Input Watts: 8.7 W
Efficacy: 90.8 LPW
UGR: 22.7
Test Report: P798563

Zonal Lumen	Lumens	% Lumens
0-30	273.4	34.6
0-40	434.2	55.0
0-60	703.1	89.0
0-90	788.9	99.9

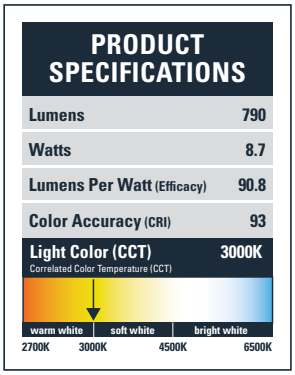
TM-30-15	Rf = 92
	Rg = 101
CRI/CIE	Ra = 93
	R9 = 83.4

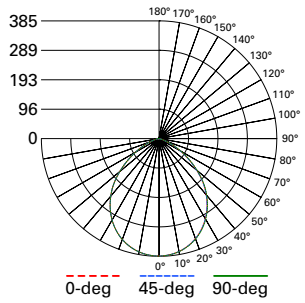
CCT - Range of 2700K- 5000K



LT56 5CCT				
CCT	Watts	lumens	LPW	CRI
2700K	8.5	770	90.6	93
3000K	8.7	790	90.8	93
3500K	8.0	810	101.3	93
4000K	8.5	810	95.3	93
5000K	8.5	790	92.9	93

LTSS56079FS1EWHR_3000K





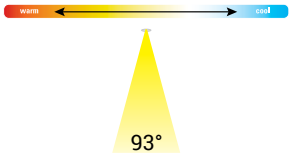
LTT5607FSMBSS_3000K

Spacing Criteria (0/90/45):
1.16/1.16/1.26
Beam Angle: 93.5°
Field Angle: 138.8°
Lumens: 803.3
Input Watts: 8.5 W
Efficacy: 94.6 LPW
UGR: 23.7
Test Report: P995445

Zonal Lumen	Lumens	% Lumens
0-30	286.7	35.7
0-40	454.4	56.6
0-60	729.4	90.8
0-90	803.3	100

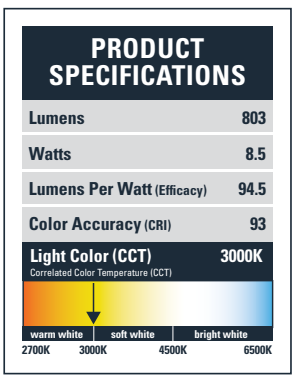
TM-30-15	Rf = 91
	Rg = 101
CRI/CIE	Ra = 95.8
	R9 = 73.4

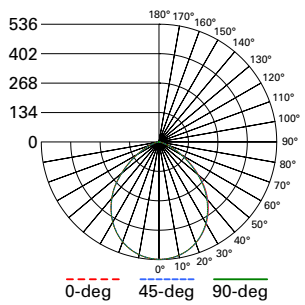
CCT - Range of 2700K- 5000K



LT56 5CCT				
CCT	Watts	lumens	LPW	CRI
2700K	8.5	795	93.5	93
3000K	8.5	803	94.5	93
3500K	8.5	825	97.1	93
4000K	8.5	826	97.2	93
5000K	8.5	828	97.4	93

LTT5607FSMBSS_3000K





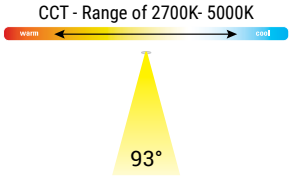
LT56129FS1EWHR-3000K

Spacing criterion:
(0-180) 1.22 | (90-270) 1.20 | (Diagonal) 1.28
Beam Angle: 92.9°
Field Angle: 93.6°
Lumens: 1127
Input Watts: 12 W
Efficacy: 94 LPW
UGR: 21.5
Test Report: P600898

Zonal Lumen	Lumens	% Lumens
0-30	405.9	36
0-40	646.3	57.3
0-60	1019.8	90.5
0-90	1123.7	99.7

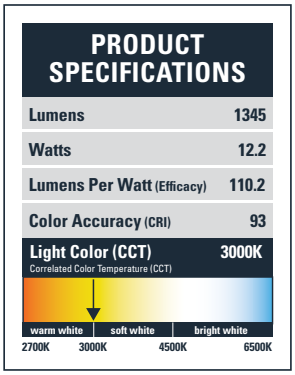
TM-30-15	Rf = 92
	Rg = 103
CRI/CIE	Ra = 96.5
	R9 = 85.2

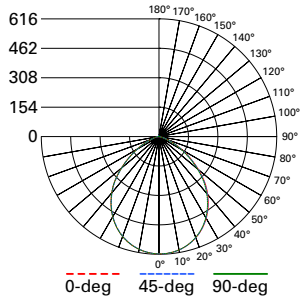
CCT - Range of 2700K- 5000K



LT56 5CCT				
CCT	Watts	lumens	LPW	CRI
2700K	12.7	1230	96.9	93
3000K	12.2	1345	110.2	93
3500K	12.1	1385	114.5	93
4000K	12.3	1380	112.2	93
5000K	12.6	1290	102.4	93

LT56129FS1EWHR-3000K





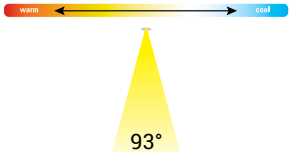
LTT5612FSMB-3000K

Spacing criterion (0/90/45):
1.16/1.16/1.26
Beam Angle: 93°
Field Angle: 138°
Lumens: 1274
Input Watts: 12.5 W
Efficacy: 101.9LPW
UGR: 25.2
Test Report: P995435

Zonal Lumen	Lumens	% Lumens
0-30	457.9	35.9
0-40	725.4	56.9
0-60	1161.1	91.1
0-90	1274	100

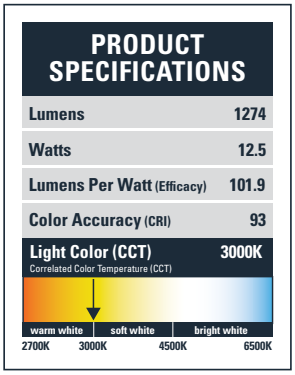
TM-30-15	Rf = 91
	Rg = 100
CRI/CIE	Ra = 95.4
	R9 = 71.8

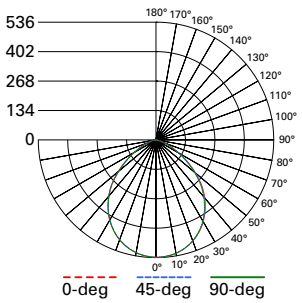
CCT - Range of 2700K- 5000K



LT56 5CCT				
CCT	Watts	lumens	LPW	CRI
2700K	12.5	1195	95.6	93
3000K	12.5	1274	101.9	93
3500K	12.0	1311	109.3	93
4000K	12.0	1305	108.8	93
5000K	12.5	1223	97.8	93

LT56129FS1EWHR-3000K





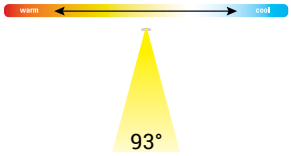
LTSS5612FS1EWHR-3000K

Spacing criterion:
(0-180) 1.22 | (90-270) 1.20 | (Diagonal) 1.28
Beam Angle: 92.9°
Field Angle: 93.6°
Lumens: 1127
Input Watts: 12 W
Efficacy: 94 LPW
UGR: 21.5
Test Report: P600898

Zonal Lumen	Lumens	% Lumens
0-30	405.9	36
0-40	646.3	57.3
0-60	1019.8	90.5
0-90	1123.7	99.7

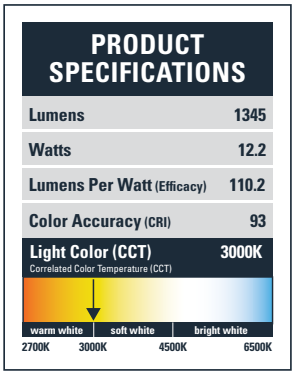
TM-30-15	Rf = 92
	Rg = 103
CRI/CIE	Ra = 96.5
	R9 = 85.2

CCT - Range of 2700K- 5000K



LT56 5CCT				
CCT	Watts	lumens	LPW	CRI
2700K	12.7	1230	96.9	93
3000K	12.2	1345	110.2	93
3500K	12.1	1385	114.5	93
4000K	12.3	1380	112.2	93
5000K	12.6	1290	102.4	93

LTSS5612FS1EWHR-3000K



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