SMOOTHY 2.4

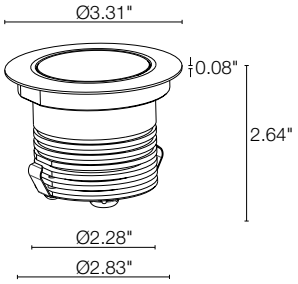
designplan

datasheet

Smoothy 2.4 is a fixed optic, walkover rated, LED in-grade uplight for outdoor use with no visible screws. Can also be a downlight when used with the fixing springs accessory. Available in multiple wattages, CRI 80 or 90, RGB (7W only). **The Bright 2, Smoothy 2 and Litus 2 series all use the same LED.**



Fixture Dimensions



TECHNICAL DATA

Wattage / Input	3.5W, 5W, 7W (24VDC); 7W (RGB, 700mA)
Power Supply	Remote, not included. See page 2.
Construction	Body: Anodized Aluminum Trim: AISI 316L Stainless Steel or Brass Lens: Tempered, Transparent (optics version); Sandblasted (diffuse version) Extra-clear Glass Cable Length: 4.9' standard
CCT	2700K, 3000K, 4000K, RGB (3500K available, consult factory)
CRI	CRI >80, CRI >90
BUG Rating	B0-U3-G0 (3000K, all versions)
Delivered Lumens	See Delivered Lumens Chart (White) 235 lm: (R) 92 lm, (G) 105 lm, (B) 38 lm
Efficacy	57 - 70 lm/W (5W), 53 - 66 lm/W (7W) (White), 34 lm/W (RGB)
Optics	9 Standard (White), 4 Standard (RGB)
Finishes	Stainless Steel or Brass, Custom RAL *(4 Stage Marine Grade Finish)*
Fixture Dimensions	Ø3.31" x 2.64" h
Cut-out Dimension	Ø2.95"
Fixture Weight	0.95 lbs
LED Source	1 High Intensity Power LED (White), 3 power LEDs (RGB)
Lumen Maintenance	L90, B10 >50,000hrs (Ta 25°C)
Color Consistency	3-Step MacAdam (White)
Operating Temp.	-4°F to +113°F
IP Rating	IP67
IK Rating	IK08

Delivered Lumens (3000K, 34°)	5W	7W
CRI 80	352 lm	463 lm
CRI 90	284 lm	374 lm

ORDERING INFORMATION

Example: SY24010FVI or SY24010FVI-1. Accessories / Power Supplies ordered separately.

SY24						

Model #	**Wattage**	**CRI**	**CCT**	**Optics (White)**		**Trim**	**Cable Length**
SY24	**00** - 3.5W	**0** - CRI 80	**F** - 2700K	**U** - 5° *(3.5W only)*	**M** - 34°	**I** - Stainless Steel	4.92' standard
	01 - 5W	**1** - CRI 90	**5** - 3000K	**V** - 8°	**L** - 45°	**L** - Brass	**1** - 16.40'
	02 - 7W		**9** - 4000K*	**T** - 11°	**Q** - 61° sharp	**C** - Custom RAL	**2** - 32.81'
			**3.5W 4000K for CRI 80 only*	**S** - 17°	**W** - 13°x52°	*(consult factory for "C")*	**4** - 65.62'
				P - 21° sharp	**D** - Diffuse		
Model #	**Wattage**	**CRI**	**CCT**	**Optics (RGB)**			
SY24	**32** - 7W (RGB)		**6** - RGB	**S** - 20°	**L** - 45°		
				M - 34°	**W** - 21°x42°		

Job Name/Date:

Fixture Type Designation:

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P: 908-996-7710
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SUGGESTED POWER SUPPLIES

24VDC

Part Number	Description	Input/Output	# of Fixtures 3.5W / 5W / 7W		
PPLT00284	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, DAMP	1-22	1-16	1-11
PPLT00543	0-10V Dimming to 15% (-40°C / -40°F cold weather start)	120-277VAC to 24VDC, 100W, Class 2	3-22	2-16	2-11

Suggested Lutron Compatible

Part Number	Option	Lutron SKU	Dim Range	Description	Input/Output	# of Fixtures 3.5W	5W	7W
PPLT00530	L3DAE / L3D0	L3DA/L3D0	100%-1%	Hi-Lume™ 0.1% EcoSystem™ or 3-Wire LED Driver	120-277VAC to 24VDC, 96W, Class 2	1-21	1-15	1-10

DRIVERS IN NEMA ENCLOSURE

Remote 24VDC - ELV / TRIAC / 0-10V



PPLT00715

Part Number	Description	Input/Output	# of Fixtures 2.5W	3.5W	7W
PPLT00715	ELV / TRIAC / 0-10V Dimming to 0.1%	120-277VAC to 24VDC, 96W, Class 2, WET/DAMP	1-21	1-15	1-10

700mA - RGB

Part Number	Description	Input/Output	# of Fixtures - 7W
PPLT00244-P	DMX / RDM (Must advise DMX addresses if not using RDM)	120-277VAC to 700mA, 50W, Class 2	1-5
PPLT00129-P	DMX / RDM (Field Addressable)	120-277VAC to 700mA, 100W, Class 2	1-9

For other power supply options consult factory.

ACCESSORIES

Installation



WC4020
Outer Casing
For ingrade use



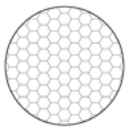
WG0502
Fixing spring
For ceiling use



WL0100
Suction cup fixture removal tool

ACCESSORIES

Anti-Glare



WH0203
Honeycomb Louvre
Not available for sharp, diffuse and 16°x69° adjustable optics on 5º and 8º optics on request



WE0701S
Anti-glare lens
Half transparent and half serigraphed black
Not available for diffuse or RGB optics

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Fixture Type Designation:

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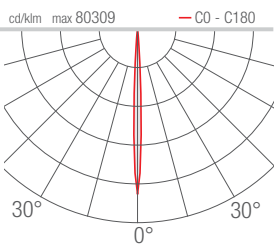
PHOTOMETRIC DATA

Note all photometry in 3000K, CRI 80

U - 5° CRI 80

fc max (3000K)

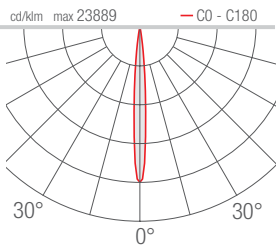
H (ft)	Ø (ft)	3.5W
3.28'	0.30'	1048.97
6.56'	0.59'	262.27
9.84'	0.89'	116.59
13.12'	1.18'	65.59
16.40'	1.48'	41.99



V - 8° CRI 80

fc max (3000K)

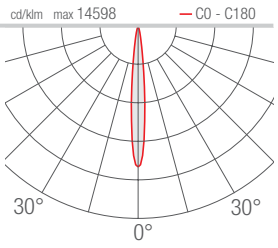
H (ft)	Ø (ft)	5W	7W
3.28'	0.49'	650.14	856.47
6.56'	0.98'	162.49	214.14
9.84'	1.48'	72.28	95.13
13.12'	1.97'	40.60	53.51
16.40'	2.46'	26.01	34.28



T - 11° CRI 80

fc max (3000K)

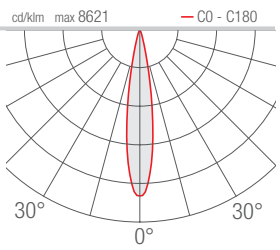
H (ft)	Ø (ft)	5W	7W
3.28'	0.62'	455.60	600.71
6.56'	1.25'	113.90	150.22
9.84'	1.87'	50.63	66.70
13.12'	2.49'	28.52	37.53
16.40'	3.12'	18.21	24.06



S - 17° CRI 80

fc max (3000K)

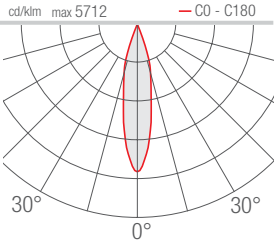
H (ft)	Ø (ft)	5W	7W
3.28'	0.98'	270.72	357.21
6.56'	1.97'	67.63	89.37
9.84'	2.99'	30.10	39.67
13.12'	3.97'	16.91	22.30
16.40'	4.95'	10.87	14.31



P - 21° sharp CRI 80

fc max (3000K)

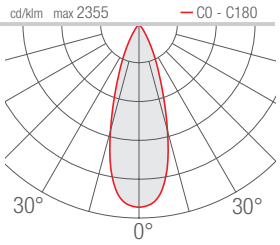
H (ft)	Ø (ft)	5W	7W
3.28'	1.25'	130.06	171.41
6.56'	2.46'	32.52	42.83
9.84'	3.71'	14.49	19.05
13.12'	4.95'	8.08	10.68
16.40'	6.20'	5.20	6.87



M - 34° CRI 80

fc max (3000K)

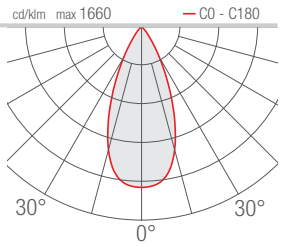
H (ft)	Ø (ft)	5W	7W
3.28'	2.00'	67.17	88.35
6.56'	4.04'	16.82	22.11
9.84'	6.04'	7.43	9.85
13.12'	8.04'	4.18	5.48
16.40'	10.04'	2.69	3.53



L - 45° CRI 80

fc max (3000K)

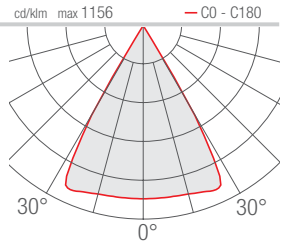
H (ft)	Ø (ft)	5W	7W
3.28'	2.69'	43.57	57.51
6.56'	5.35'	10.87	14.40
9.84'	8.10'	4.83	6.41
13.12'	10.73'	2.69	3.62
16.40'	13.39'	1.77	2.32



Q - 61° sharp CRI 80

fc max (3000K)

H (ft)	Ø (ft)	5W	7W
3.28'	3.87'	22.20	29.26
6.56'	7.74'	5.57	7.34
9.84'	11.65'	2.51	3.25
13.12'	15.52'	1.39	1.86
16.40'	19.39'	0.93	1.21



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SMOOTHY 2.4

datasheet

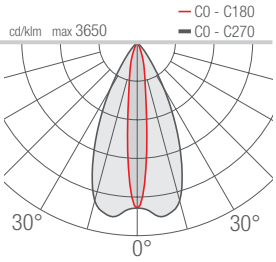
PHOTOMETRIC DATA

Note: All data in 3000K, CRI 80

W - 13°x52° CRI 80

fc max (3000K)

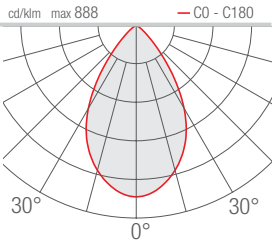
H (ft)	Ø (ft)	Ø (ft)	5W	7W
3.28'	0.75'	3.22'	104.33	137.31
6.56'	1.41'	6.43'	26.11	34.37
9.84'	2.30'	9.61'	11.61	15.24
13.12'	3.05'	12.83'	6.50	8.55
16.40'	3.84'	16.04'	4.18	5.48



D - Diffuse CRI 80 (Smoothy 2.4)

Lux max (3000K)

H (ft)	Ø (ft)	5W	7W
3.28'	4.17'	16.91	22.39
6.56'	8.33'	4.27	5.57
9.84'	12.50'	1.86	2.51
13.12'	16.67'	1.02	1.39
16.40'	20.80'	0.65	0.93



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