

OUTDOOR UPLIGHT FIXTURES

OUTDOOR RECESSED

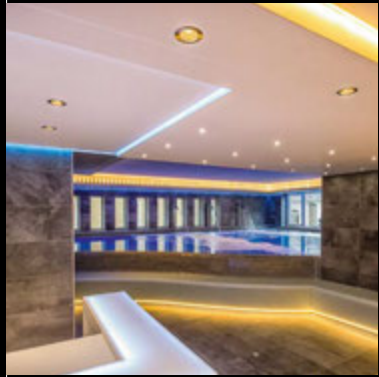


designplan® 

79 Trenton Avenue
Frenchtown, NJ 08825

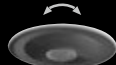
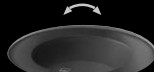
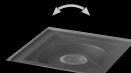
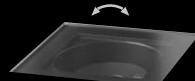
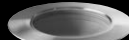
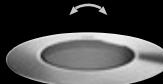
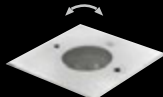
www.designplan.com

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CORPORATE	RESIDENTIAL	RESIDENTIAL	HOSPITALITY	URBAN LIGHTING	HOSPITALITY	ENTERTAINMENT	HOSPITALITY
							
GROUND	FACADE	GROUND	WALL	WALL	FACADE	CEILING	WALL

Bright 1 Series, Smoothy 1 Series, Litus 1 Series have the same LEDs
Bright 2 Series, Smoothy 2 Series, Litus 2 Series have the same LEDs
Bright 3 Series, Smoothy 5 Series, Litus 5 Series have the same LEDs

UPLIGHT

Power supply not included	2W-3.5W	2.5W-3.5W	5W-7W	5W-9W	10W-13W	10W-16W	14W-20W	
LITUS								
								
SMOOTHY								
BRIGHT								
								
Built-in power supply			3.5W		8W		15W	21W
CORSO								

SMOOTHY

MATERIALS



AVAILABLE IN RGB VERSION

TRIM IN AISI 316L STAINLESS
STEEL, MADE WITH A CNC LATHE



LENS IN TRANSPARENT EXTRA-CLEAR GLASS UP
TO 10 MM THICK AND TEMPERED FOR EXCELLENT
RESISTANCE TO KNOCKS AND SCRATCHES.
DIFFUSE VERSION: SCREEN IN ACID-ETCHED
EXTRA-CLEAR GLASS UP TO 10 MM THICK AND
TEMPERED FOR EXCELLENT RESISTANCE TO KNOCKS
AND SCRATCHES. HIGH TRANSMITTANCE ENSURES
THE LIGHT'S CHROMATIC UNIFORMITY



AVAILABLE WITH FIXED AND ADJUSTABLE OPTICS

16°x69° ELLIPTICAL OPTICS, ADJUSTED MANUALLY
WITH THE MAGNET PROVIDED



BODY IN BLACK-ANODIZED ANTICORODAL 6082
ALUMINIUM, MADE ENTIRELY ON A CNC LATHE

RAL FINISH ON REQUEST

SUITABLE FOR OUTDOOR INSTALLATION



BUILT-IN PROTECTION SYSTEMS:

IPS INTELLIGENT PROTECTION SYSTEM



PID PROTECTIVE IMPEDANCE DEVICE



IP67



SMOOTHY

REFERENCES

^ SMOOTHY 2.4
3000K, 7W, 45°
Project by / New Image Kft.
Bonvital Wellness & Gastro Hotel Hévíz
Hévíz, Hungary



^
SMOOTHY 2.4
4000K, 7W, 8°

SMOOTHY

2700K 3000K 4000K

FIXED OPTICS

2700K 3000K 4000K

TILTABLE OPTICS

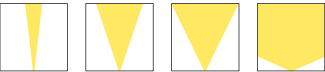
Ø2.13"

UP TO 6.56'



SMOOTHY 1.0
constant current
2W 700mA

SMOOTHY 1.6
constant voltage
2.5W/3.5W 24VDC



Ø3.31"

UP TO 13.12'



SMOOTHY 2.4
white light: constant voltage
3.5W/5W/7W 24VDC
RGB light: constant current
7W 700mA



SMOOTHY 2.8
constant voltage
2.5W/3.5W 24VDC



RGB

Ø4.29"

UP TO 22.97'



SMOOTHY 5.4
constant voltage
10W/13W 24VDC



SMOOTHY 5.6
white light: constant voltage
3.5W/5W/7W 24VDC
RGB light: constant current
7W 700mA



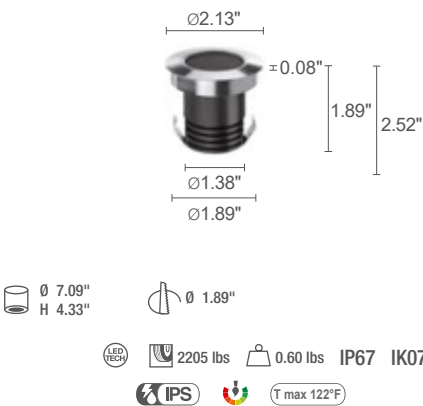
RGB



^
SMOOTHY 2.8
2700K, 2.5W, 48°

SMOOTHY

SMOOTHY 1.0



POWER / POWER SUPPLY 2W 700mA
MODEL NO. SY1012

CRI	0 - CRI 80 1 - CRI >90
LED COLOR	F - 2700K 5 - 3000K 9 - 4000K
OPTICS	S - 13° M - 22° F - 30° P - 35° sharp L - 48° D - diffuse
LUMEN OUTPUT AT SOURCE	224 lm (3000K, 700mA, CRI 80)
DELIVERD LUMEN OUTPUT	188 lm (3000K, 700mA, 22°, CRI 80)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50,000h L90 B10 (Ta 25°C)

SMOOTHY 1.6



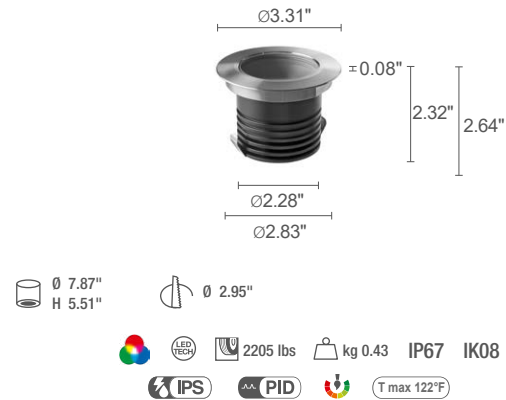
2.5W 24VDC
SY1600

3.5W 24VDC
SY1601

0 - CRI 80 1 - CRI >90
F - 2700K 5 - 3000K 9 - 4000K
S - 13° M - 22° F - 30° P - 35° sharp L - 48° D - diffuse
224 lm (3000K, 3.5W, CRI 80)
188 lm (3000K, 22°, 3.5W, CRI 80)
1 power LED 1/4 ANSI BIN, 50,000h L90 B10 (Ta 25°C)

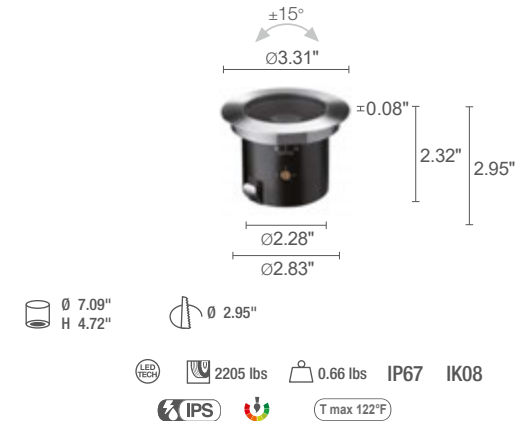


SMOOTHY 2.4

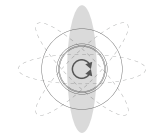


POWER SUPPLY	24VDC white light
MODEL NO.	SY240      I
	7W 700mA RGB light
	SY2432 6      I
 POWER	0 - 3.5W only 5° optics (4000K only CRI 80) 1 - 5W 2 - 7W
 CRI	0 - CRI 80 1 - CRI >90
 LED COLOR	F - 2700K 5 - 3000K 9 - 4000K
 OPTICS	U - 5° only 3.5W (4000K only CRI 80) V - 8° T - 11° S - 17° P - 21° sharp M - 34° L - 45° Q - 61° sharp W - 13°x52° D - diffuse
	RGB: S - 20° M - 34° L - 45° W - 21°x42°
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB: 311 lm, R: 108 lm G: 133 lm B: 70 lm (700mA)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB: 253 lm, R: 98 lm G: 114 lm B: 41 lm (700mA, 34°)
NO. AND TYPE OF LED	1 high power intensity LED, 3-step MacAdam RGB: 3 power LEDs 50,000h L90 B10 (Ta 25°C)

SMOOTHY 2.8



POWER / POWER SUPPLY MODEL NO.	2.5W 24VDC SY2800
	3.5W 24VDC SY2801
CRI	0 - CRI 80 1 - CRI >90
LED COLOR	F - 2700K 5 - 3000K 9 - 4000K
OPTICS	S - 13° tilttable ±15° M - 22° tilttable ±15° F - 30° tilttable ±15° P - 35° sharp tilttable ±15° L - 48° tilttable ±15°
LUMEN OUTPUT AT SOURCE	224 lm (3000K, 3.5W, CRI 80)
DELIVERED LUMEN OUTPUT	188 lm (3000K, 22°, 3.5W, CRI 80)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50,000h L90 B10 (Ta 25°C)



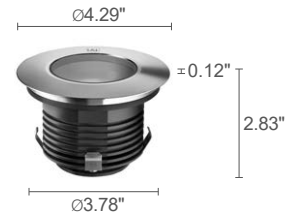
Adjustable
16°x69° optics

Ø 8.66"
H 5.91"

Ø 3.94"



SMOOTHY 5.4



elliptical optics,
adjusted manually
with a magnet

SMOOTHY 5.6



Ø 8.66"
H 6.30"

Ø 3.94"



POWER / POWER SUPPLY MODEL NO.	10W 24VDC SY5400
	13W 24VDC SY5401
CRI	0 - CRI 80 1 - CRI >90
LED COLOR	F - 2700K 5 - 3000K 9 - 4000K
OPTICS	S - 16° M - 21° L - 38° P - 58° sharp K - 55° W - 16°x69° adjustable D - diffuse
LUMEN OUTPUT AT SOURCE	1115 lm (3000K, 10W, CRI 80) 1485 lm (3000K, 13W, CRI 80)
DELIVERED LUMEN OUTPUT	800 lm (3000K, 38°, 10W, CRI 80) 1065 lm (3000K, 38°, 13W, CRI 80)
NO. AND TYPE OF LED	1 high power density COB LED 2-step MacAdam, 50,000h L95 B10 (Ta 25°C)

POWER SUPPLY MODEL NO.	24VDC white light SY560
	7W 700mA RGB light SY5632 6
POWER	0 - 3.5W only 5° optics (4000K only CRI 80) 1 - 5W 2 - 7W
CRI	0 - CRI 80 1 - CRI >90
LED COLOR	F - 2700K 5 - 3000K 9 - 4000K
OPTICS	U - 5° tilttable ±15° only 3.5W (4000K only CRI 80) V - 8° tilttable ±15° T - 11° tilttable ±15° S - 17° tilttable ±15° P - 21° sharp tilttable ±15° M - 34° tilttable ±15° L - 45° tilttable ±15° Q - 61° sharp tilttable ±15° W - 13°x52° tilttable ±15° RGB: S - 20° tilttable ±15° M - 34° tilttable ±15° L - 45° tilttable ±15° W - 21°x42° tilttable ±15°
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB 311 lm: (R) 108 lm, (G) 133 lm, (B) 70 lm (700mA)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB 253 lm: (R) 98 lm, (G) 114 lm, (B) 41 lm (700mA, 34°)
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50,000h L90 B10 (Ta 25°C)

SMOOTHY

ACCESSORIES

ANTI-GLARE ACCESSORIES



Honeycomb louvre
built into the lighting fixture

WH0100 (Smoothy 1.0 / 1.6)

WH0203 (Smoothy 2.4)

WH0206 (Smoothy 5.4)

WH0205 (Smoothy 5.6)

order together with the lighting fixture

the honeycomb louvre can be fitted:
on all optics except for sharp,
diffuse and 16°x69° adjustable optics on
5° and 8° optics on request

OPTICAL ACCESSORIES



Anti-glare screen, half transparent
and half serigraphed black
built into the lighting fixture

WE0700S (Smoothy 1.0 / 1.6)

WE0701S (Smoothy 2.4 / 2.8)

WE0702S (Smoothy 5.4 / 5.6)

order together with the lighting fixture

the anti-glare screen can be fitted on
the versions with white
LED color and on all optics
except for the diffuse and 48° optics

ACCESSORIES FOR INSTALLATION



Outer casing
WC4010
(Smoothy 1.0 / 1.6)



Outer casing
WC4020
(Smoothy 2.4 / 2.8)



Outer casing
WC4050
(Smoothy 5.4 / 5.6)



Fixing springs
for ceiling installation
WG0501
(Smoothy 1.0 / 1.6)



Fixing springs
for ceiling installation
WG0502
(Smoothy 2.4 / 2.8)



Fixing springs
for ceiling installation
WG0505
(Smoothy 5.4 / 5.6)



Suction cup -
for fixture removal from
outer casing
WL0100
(Smoothy 1.0 / 1.6 / 2.4 / 2.8)



Suction cup -
for fixture removal from
outer casing
WL0500
(Smoothy 5.4 / 5.6)

SPARE PARTS



Magnet for adjustable optics
WE0201
(Smoothy 5.4)

POWER CABLES

Neoprene cables
H05RN-F 2x0.03"/0.03" Ø0.25"
IPS

-1 (WF6005) - 16.40'
-2 (WF6010) - 32.81'
-3 (WF6015) - 49.21'
-4 (WF6020) - 65.62'
(Smoothy 1.0)

-1 (WF8505) - 16.40'
-2 (WF8510) - 32.81'
-3 (WF8515) - 49.21'
-4 (WF8520) - 65.62'
(Smoothy 2.4 / 5.6)
white LED color; 5W

-1 (WF8605) - 16.40'
-2 (WF8610) - 32.81'
-3 (WF8615) - 49.21'
-4 (WF8620) - 65.62'
(Smoothy 1.6 / 2.8) 2.5W
(Smoothy 2.4 / 5.6) 7W
(Smoothy 5.4) 10W
white LED color

-1 (WF8705) - 16.40'
-2 (WF8710) - 32.81'
-3 (WF8715) - 49.21'
-4 (WF8720) - 65.62'
(Smoothy 1.6 / 2.4 / 2.8 / 5.6) 3.5W
(Smoothy 5.4) 13W
white LED color

Cavi in FEP+RUB / FEP+RUB cables
(equivalent to H05RN-F) 6x0.02"/0.02"
Ø0.25"
IPS

-1 (WF7305) - 16.40'
-2 (WF7310) - 32.81'
-3 (WF7315) - 49.21'
-4 (WF7320) - 65.62'

(Smoothy 2.4 / 5.6)
RGB

to order the power cable,
add the suffix -1, -2, -3 or -4
to the code for the lighting fixture

LITUS / SMOOTHY / BRIGHT

OPTICS

LITUS / SMOOTHY



BRIGHT



LITUS / SMOOTHY / BRIGHT



ELLIPTICAL OPTICS, ADJUSTED MANUALLY WITH THE MAGNET PROVIDED

UNIFORM LIGHT EMISSION
IN THREE DIFFERENT
LOOKS: LITUS, SMOOTHY,
BRIGHT, WITH 8° OPTICS



BRIGHT 2.4



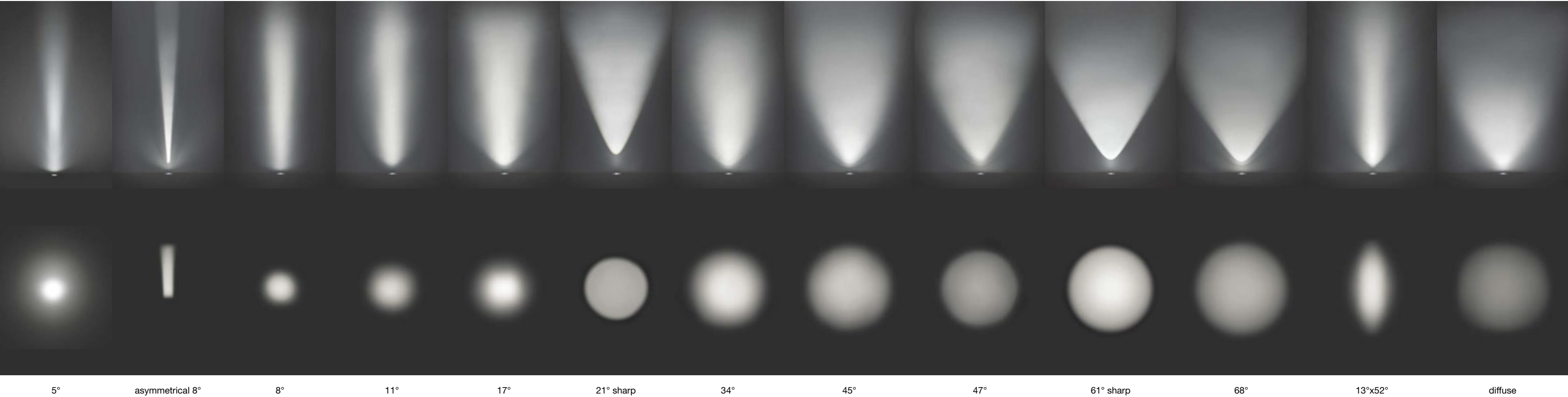
SMOOTHY 2.4



LITUS 2.4

LITUS / SMOOTHY / BRIGHT

OPTICS



LITUS / SMOOTHY / BRIGHT / CORSO

PROTECTION SYSTEMS



**INTELLIGENT
PROTECTION
SYSTEM**

THE IPS PROTECTS LIGHTING FIXTURES FROM WATER INFILTRATIONS, WHICH CAN OCCUR IF THERE ARE FAULTY JUNCTIONS BETWEEN THE CABLES IN OUTDOOR OR UNDERWATER APPLICATIONS. THIS INNOVATION, PATENTED BY L&L, ALSO GUARANTEES ELECTRICAL PROTECTION AGAINST POLARITY REVERSAL, HOT PLUGGING, ESD AND POWER SURGES WHICH CAN OCCUR IF THERE ARE FAULTS IN THE ELECTRICAL CIRCUIT



**PROTECTIVE
IMPEDANCE
DEVICE**

THE PID PROTECTS LIGHTING FIXTURES FROM ELECTRICAL PHENOMENA EXTERNAL TO THE SYSTEM, SUCH AS STATIC ELECTRICITY ACCUMULATION OR ELECTROMAGNETIC INTERFERENCE COMING FROM THE MAINS POWER. GENERALLY, THESE ARE EVENTS WITH A LOW ENERGY CONTENT



NTC - TEMPERATURE CONTROL BUILT IN THIS IS AN NTC THERMISTOR MOUNTED ON THE LED BOARD TO PROTECT THE LIGHTING FIXTURE AGAINST OVERHEATING. SHOULD THE PRODUCT FUNCTION AT AN OPERATING TEMPERATURE GREATER THAN THE MAXIMUM TEMPERATURE AT WHICH IT CAN OPERATE CORRECTLY, THE PROTECTION IS ACTIVATED AND GRADUALLY REDUCES THE POWER



THE PROTECTION RATING IP69K INDICATES AN ELECTRICAL DEVICE'S RESISTANCE TO CLEANING WITH HIGH-PRESSURE, HIGH-TEMPERATURE SPRAY-DOWNS. WHEN THE FIXTURES ARE INSTALLED IN URBAN OR INDUSTRIAL SETTINGS WHERE HEAVY CLEANING IS CARRIED OUT USING HIGH-PRESSURE WASHERS, FUNCTIONING, RESISTANCE, SERVICE LIFE AND APPEARANCE ARE GUARANTEED (COMPLIANT WITH ISO-20653)



DRIVE-OVER TESTING IS MADE UP OF THREE TESTS: STATIC LOAD, TORSION AND SLIDING LOAD, AS REQUIRED BY THE STANDARD EN 60598-2-1. PASSING THESE TESTS GUARANTEES THE SAFETY OF THE FIXTURE ONCE INSTALLED

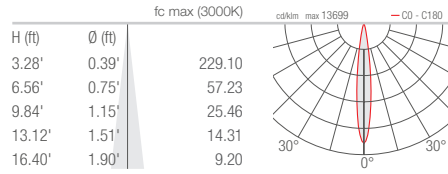


SMOOTHY

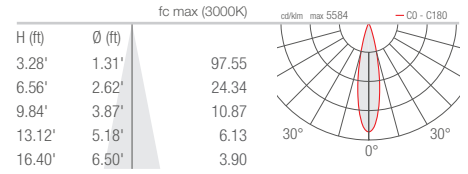
PHOTOMETRIC DATA

SMOOTHY 1.0

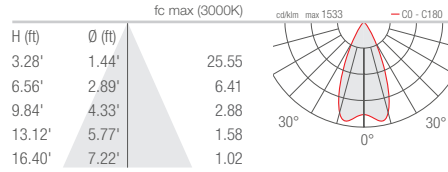
S - 13° CRI 80



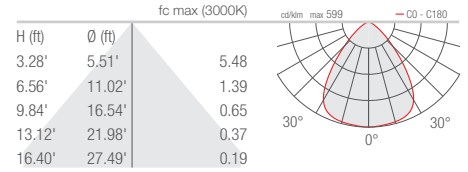
M - 22° CRI 80



L - 48° CRI 80

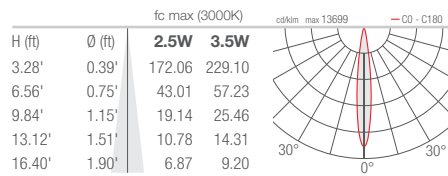


D - Diffuse CRI 80

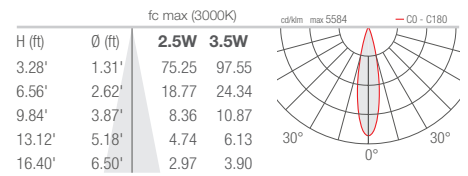


SMOOTHY 1.6 2.8

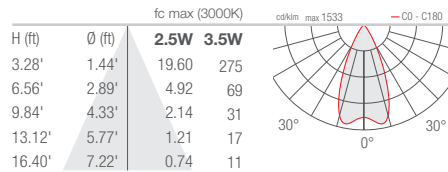
S - 13° CRI 80



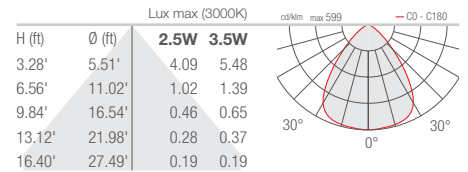
M - 22° CRI 80

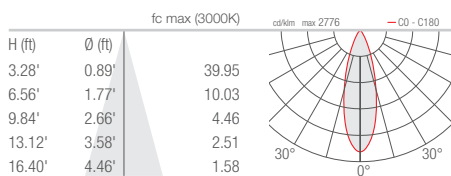
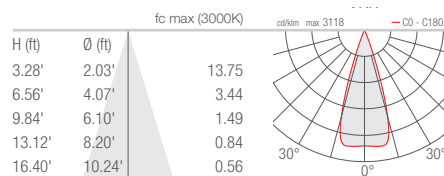
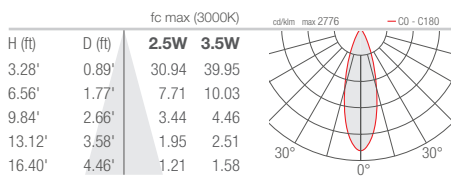
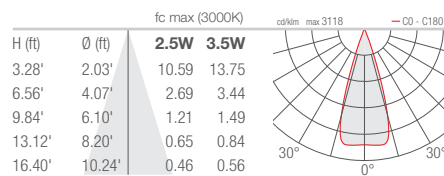


L - 48° CRI 80



D - Diffuse CRI 80 (Smoothy 1.6)



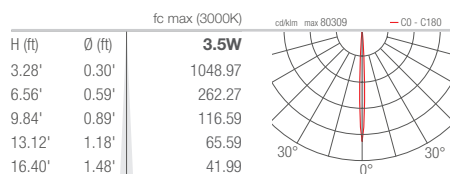
F - 30° CRI 80**P - 35° sharp CRI 80****F - 30° CRI 80****P - 35° sharp CRI 80**

SMOOTHY

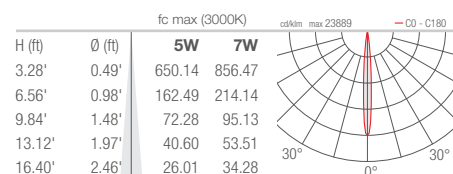
PHOTOMETRIC DATA

SMOOTHY 2.4 5.6

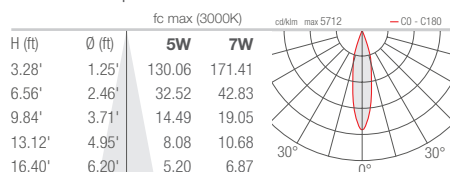
U - 5° CRI 80



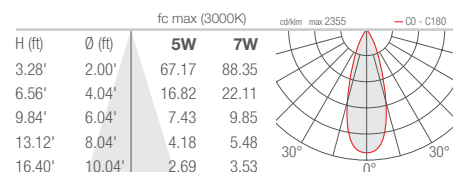
V - 8° CRI 80



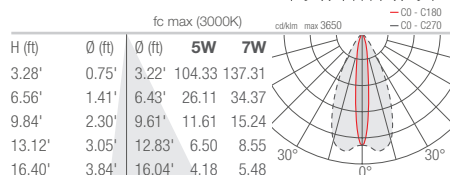
P - 21° sharp CRI 80



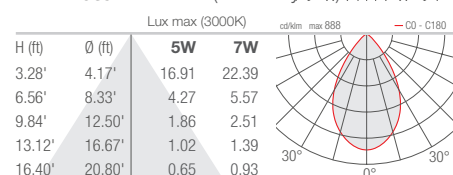
M - 34° CRI 80



W - 13°x52° CRI 80

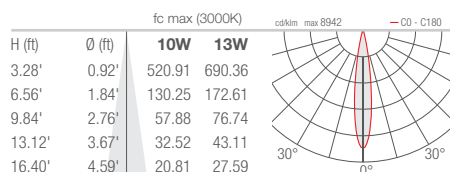


D - Diffuse CRI 80 (Smoothy 2.4)

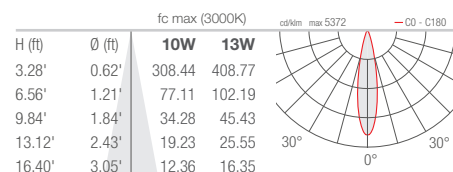


SMOOTHY 5.4

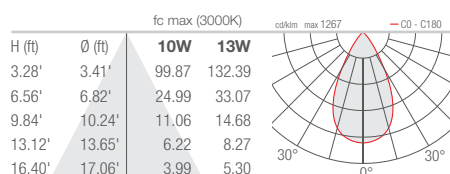
S - 16° CRI 80



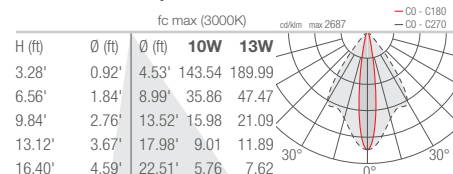
M - 21° CRI 80



K - 55° CRI 80

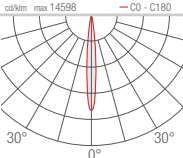


W - 16°x69° adjustable CRI 80

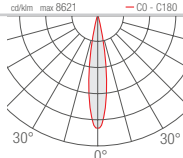


T - 11° CRI 80

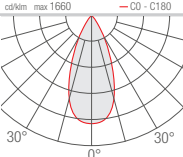
		fc max (3000K)		cd/klm max 14598	— CO - C180
H (ft)	Ø (ft)	5W	7W		
3.28'	0.62'	455.60	600.71		
6.56'	1.25'	113.90	150.22		
9.84'	1.87'	50.63	66.70		
13.12'	2.49'	28.52	37.53		
16.40'	3.12'	18.21	24.06		


S - 17° CRI 80

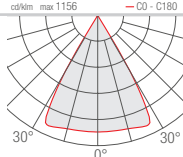
		fc max (3000K)		cd/klm max 8621	— CO - C180
H (ft)	Ø (ft)	5W	7W		
3.28'	0.98'	270.72	357.21		
6.56'	1.97'	67.63	89.37		
9.84'	2.99'	30.10	39.67		
13.12'	3.97'	16.91	22.30		
16.40'	4.95'	10.87	14.31		


L - 45° CRI 80

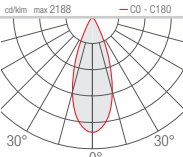
		fc max (3000K)		cd/klm max 1660	— CO - C180
H (ft)	Ø (ft)	5W	7W		
3.28'	2.69'	43.57	57.51		
6.56'	5.35'	10.87	14.40		
9.84'	8.10'	4.83	6.41		
13.12'	10.73'	2.69	3.62		
16.40'	13.39'	1.77	2.32		


Q - 61° sharp CRI 80

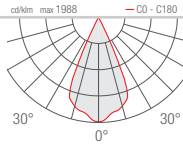
		fc max (3000K)		cd/klm max 1156	— CO - C180
H (ft)	Ø (ft)	5W	7W		
3.28'	3.87'	22.20	29.26		
6.56'	7.74'	5.57	7.34		
9.84'	11.65'	2.51	3.25		
13.12'	15.52'	1.39	1.86		
16.40'	19.39'	0.93	1.21		


L - 38° CRI 80

		fc max (3000K)		cd/klm max 2188	— CO - C180
H (ft)	Ø (ft)	10W	13W		
3.28'	2.23'	163.42	216.28		
6.56'	4.53'	40.88	54.07		
9.84'	6.76'	18.12	24.06		
13.12'	9.06'	10.22	13.47		
16.40'	11.29'	6.50	8.64		


P - 48° sharp CRI 80

		fc max (3000K)		cd/klm max 1988	— CO - C180
H (ft)	Ø (ft)	10W	13W		
3.28'	2.89'	72.93	96.80		
6.56'	5.77'	18.21	24.15		
9.84'	8.66'	8.08	10.78		
13.12'	11.55'	4.55	6.04		
16.40'	14.44'	2.88	3.90		


D - Diffuse CRI 80

		fc max (3000K)		cd/klm max 620	— CO - C180
H (ft)	Ø (ft)	10W	13W		
3.28'	5.58'	34.65	45.99		
6.56'	11.15'	8.64	11.52		
9.84'	16.67'	3.81	5.11		
13.12'	22.24'	2.14	2.88		
16.40'	27.82'	1.39	1.86		

