

Series Spec Sheet

WCY

LED CYLINDER WALL MOUNT UPLIGHT, DOWNLIGHT OR UPLIGHT/DOWNLIGHT 3 CCT Selectable and Integrated Photocell

The WCY is a highly efficient and versatile decorative LED wall cylinder designed to provide any commercial building with security and accent lighting. This fixture allows the direction of the light to be field adjustable to offer uplight, downlight or uplight/downlight. It comes with a 20 degree beam angle and can be easily changed to a 40 degree or 80 degree angle with the optics included with the fixture. Additionally these luminaires offer the ability to adjust the color temperature and control the functionality of the photocell making it a great all-in-one solution.

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- This luminaire is made out of aluminum die cast and comes in a black or bronze powder coat finish
- Two housing sizes: 4" and 6"
- Includes an integrated 120-347 V photocell that can be easily disabled
- Easy access to color temperature, photocell and light direction switch

Mounting

- Wall and surface mount to a junction box

Lens

- Glass lens
- The standard beam angle is 20 degree and can be easily interchanged to a 40 degree and/or 80 degree with the additional optics included.
- 40 degree frosted and 80 degree optics included for wider distribution needs.

• Performance data

- Selectable color temperature
3 000/4 000/5 000 K, default programming at 4 000 K
- 80+ CRI
- Electrical ratings: 120-347 V
- Estimated life of over 50 000 hours to L70
- Dimmable 0-10V
- 4 kV surge protection
- Operating temperature:
-40 °C to 40 °C (-40 °F to 104 °F)

• Compliances

- cETLus, Wet Location
- Meets requirements of ICES-005 issue 5 class B for use in residential applications
- IP65
- IK06

OVERVIEW

Light source	LED
Watts (W)	20, 36
Lumen output (lm)	825-4 340
Efficacy (lm/W)	80-131
Color temperature (K)	3 000/4 000/5 000
CRI	80+



IK06



quick
ship



wet
location



ICCS
005



LED
fixture



QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

Order code	Model number	Watts	Volts	Color temp.	Lumen output	Efficacy	CRI	Life L70	Beam angle	Finish	Photocell	Dimming	Power factor	THD	Traditional equivalent	Master case qty
		(W)	(VAC)	(K) ¹	(lm) ^{2,3}	(lm/W)		(hrs) ⁴	(°)		(Yes/No)	(Yes/No)		(%)	(W)	
															MH	HPS

CCT Selectable with Integrated Photocell⁵

4"

69150	WCY-4LS1-Q-3C-BK-P	20	120-347	3 000/4 000/5 000	2 445	122	80+	50 000	20	Black	Yes	Yes	≥0.90	≤20	70	70	5
69432	WCY-4LS1-Q-3C-BR-P	20	120-347	3 000/4 000/5 000	2 445	122	80+	50 000	20	Bronze	Yes	Yes	≥0.90	≤20	70	70	5

6"

69151	WCY-6LS2-Q-3C-BK-P	36	120-347	3 000/4 000/5 000	4 254	118	80+	50 000	20	Black	Yes	Yes	≥0.90	≤20	150	100-150	4
69433	WCY-6LS2-Q-3C-BR-P	36	120-347	3 000/4 000/5 000	4 254	118	80+	50 000	20	Bronze	Yes	Yes	≥0.90	≤20	150	100-150	4

¹ Typical color temperature range: +/- 5 %.² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.³ Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations⁵ Integrated ON/OFF photocell that can be easily disabled.

LUMEN SPECIFICATION TABLE



Single Direction (values)

Watts (W)	Beam angle (°)	Volts (V)	Fixture Current (A)	3 000 K		4 000 K		5 000 K	
				Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
4"									
10	20	120-347	0.095-0.046	1 228	122.8	1 311	131.1	1 221	122
	40		0.095-0.046	825	82.5	940	94	849	85
	80		0.095-0.046	1 013	101.3	1 155	116	1 043	104
6"									
18	20	120-347	0.168-0.083	2 182	218	2 356	236	2 312	231
	40		0.168-0.083	1 627	163	1 675	168	1 854	185
	80		0.168-0.083	1 952	195	2 225	223	2 011	201

DEFAULT PROGRAMMING

69150/69432: 20 W/4 000 K



Both Directions (combined values)

Watts (W)	Beam angle (°)	Volts (V)	Fixture Current (A)	3 000 K		4 000 K		5 000 K	
				Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
4"									
20	20	120-347	0.18-0.07	2 248	112.4	2 445	122.25	2 337	117
	40		0.18-0.07	1 593	79.65	1 816	91	1 641	82
	80		0.18-0.07	2 118	105.9	2 415	121	2 182	109
6"									
36	20	120-347	0.33-0.12	4 022	112	4 254	118	4 102	114
	40		0.33-0.12	3 223	90	3 674	102	3 320	92
	80		0.33-0.12	3 806	106	4 339	121	3 920	109

DEFAULT PROGRAMMING

69151/69433: 36 W/4 000 K

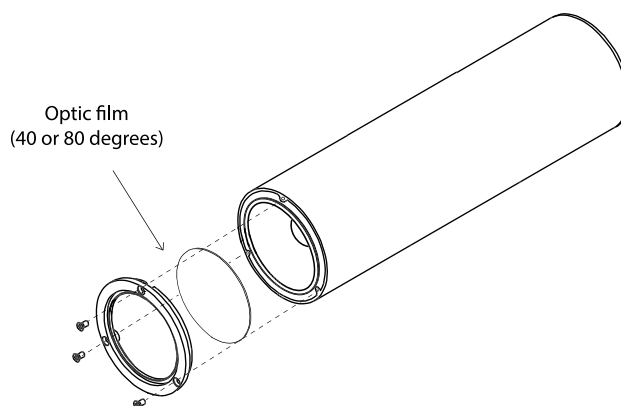
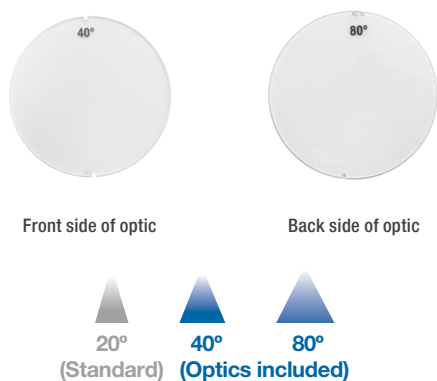
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

Suits any of your applications with the selectability



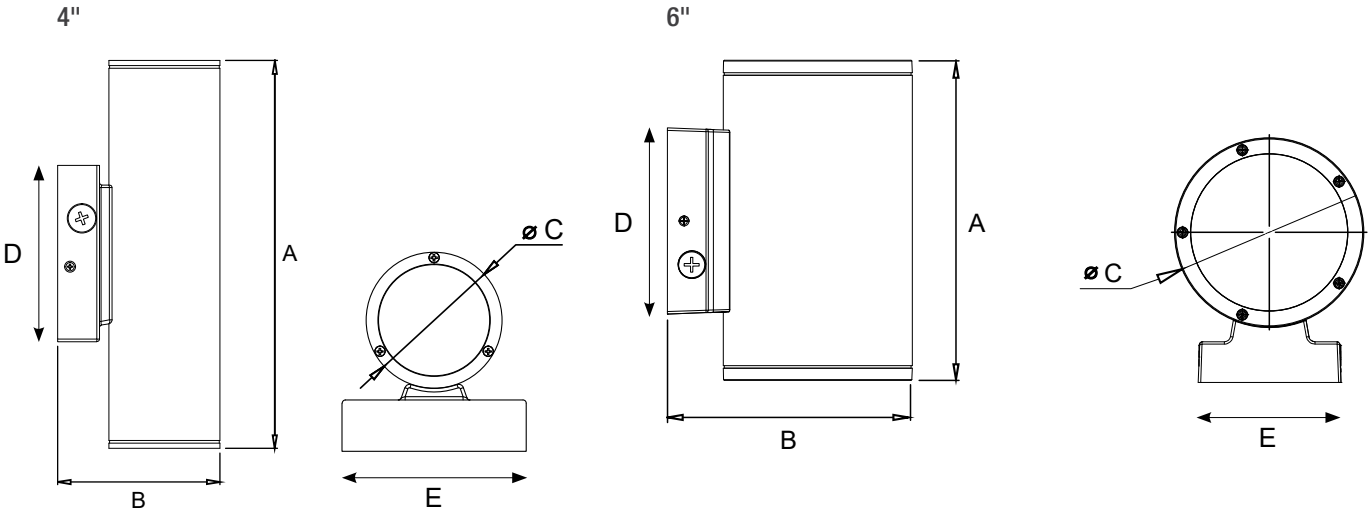
INCLUDED IN THE BOX

Optics (two per box)



Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

DIMENSIONS AND WEIGHTS



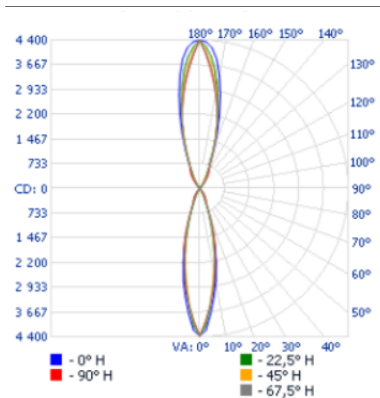
	20 W	36 W
A in. (cm)	11 3/4 (29.7)	10.20 (25)
B in. (cm)	4 7/8 (12.5)	7.80 (19.8)
C in. (cm)	3 3/8 (8.5)	6 (15.3)
B in. (cm)	4 1/2 (11.5)	4 1/2 (11.5)
C in. (cm)	4 1/2 (11.5)	4 1/2 (11.5)
Net weight (lbs)	2.9	5.3

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

PHOTOMETRIC DATA¹

69151_69432 • WCY-4LS1-Q-3C-XX-P • 20 W • 4 000 K • 20d • 2 445 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	938.2	38.4
0-40	1 013.1	41.4
0-60	1 053.6	43.1
60-90	14.7	0.6
70-100	7.3	0.3
90-120	18.6	0.8
0-90	1 068.2	43.7
90-180	1 376.5	56.3
0-180	2 444.7	100

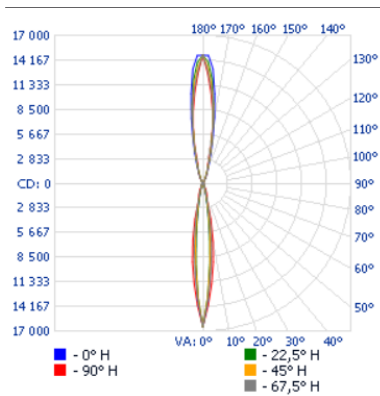
Illuminance at a distance

Center beam fc		Beam width	
17.0'	15.1	8.2'	
34.0'	3.78	16.5'	
51.0'	1.68	24.7'	
68.0'	0.95	33.0'	
85.0'	0.60	41.2'	
102.0'	0.42	49.5'	

■ Horiz. spread : 27.3°

69151_69433 • WCY-6LS2-Q-3C-XX-P • 36 W • 4 000 K • 20d • 4 254 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 468.5	34.5
0-40	1 611.6	37.9
0-60	1 784.7	42
60-90	73.1	1.7
70-100	28.5	0.7
90-120	48.0	1.1
0-90	1 857.8	43.7
90-180	2 395.9	56.3
0-180	4 253.7	100

Illuminance at a distance

Center beam fc		Beam width	
17.0'	57.1	3.6'	5.0'
34.0'	14.3	7.2'	10.0'
51.0'	6.35	10.8'	15.0'
68.0'	3.57	14.4'	20.1'
85.0'	2.28	18.0'	25.1'
102.0'	1.59	21.6'	30.1'

■ Vert. spread : 12.1°
■ Horiz. spread : 16.8°

¹ Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.