

WCED-4SD

120/277VAC, 4" Wall Mount Square Cylinder Down Light

WCED-4SUD

120/277VAC, 4" Wall Mount Square Cylinder Up and Down Light



Catalog #		Type
Project		Date
Prepared by		

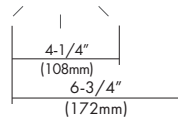
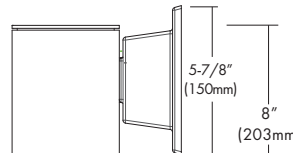
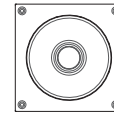
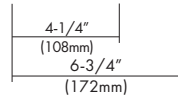
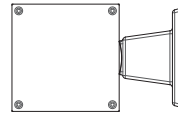
4" Square LED Cylinder



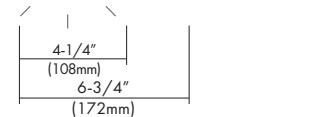
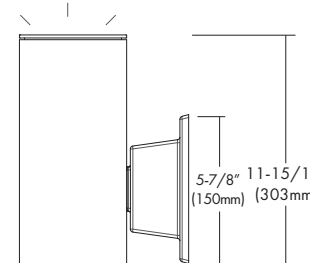
[WCED-4SD : DOWN TYPE]



[WCED-4SUD : UP/DOWN TYPE]



[WCED-4SD : DOWN TYPE]



[WCED-4SUD : UP/DOWN TYPE]



DESCRIPTION

The WCED 4" Square Cylinders are Wet Location and IP65 rated for outdoor use. These wall mount cylinders come in two versions : down light and up & down light. The fixtures are offered in 13W, 17W and 27W LED, DoB modules with a customized IC, highbred circuit on board with dimming down to 5% with most of Triac and ELV dimmers or 0-10V dimming. Non-Isolated DOB, 120/277VAC Direct AC technology has low heat, great reliability and has been designed for these fixtures to operate environments between -22 ° F to 104 ° F (-30 ° C to 40 ° C). Optional Photo Cell is available for Dusk to Dawn operation and EM drivers for emergency lighting.

DESIGN FEATURES

Features

- All aluminum construction, powder coat painted in white, black or silver finish for harsh, weatherproof applications.
- 120/277VAC Non-Isolated DoB, 120/277VAC Direct AC technology in 13W, 17W or 27W dimmable modules with integrated circuit, customized chips on board.
- 80 or 90 CRI with color temperatures in 3000K, 3500K or 4000K.
- Wet Location, IP65 Rated.
- Dimming with most Triac and ELV dimmers or 0-10V dimmers. **Warning:** Non-Isolated DoB fixtures cannot use 0-10V Electronic Relay Systems without incurring damage. For those type of Electronic Dimming Systems, order the Optional Isolation 0-10V Dongle: **DONGLE-IS01.0**. 1 Dongle is used for each fixture dimmed.
- Optional Photo Cell and Emergency Drivers are available

Mounting

- Mount completely assembled fixture directly on the wall surface using appropriate anchor bolts or screws (supplied by others).

Limited Warranty

- LED Module: 5 years/50K hours
- Product: 3 years

Listing

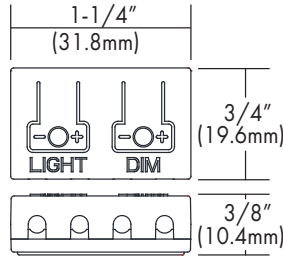
- cCSA-us Wet Location

SPECIFICATION			
Input Voltage	120/277VAC		
Wattage (+/-5%) (x2)*	13 W	17W	27W
Lumen (+/-5%)	1,190 lm	1,415 lm	2,110 lm
Efficacy (LPW)	79.3	70.8	70.3
Beam Angle	42°	42.5°	49°
CRI (Typical)	80, 90		
CCT (Color +/-5%)	3000K, 3500K, 4000K		
Dimming	Triac, ELV or 0-10V**		
LED Module	5 yr/50K hr		
Environment	Wet Location		

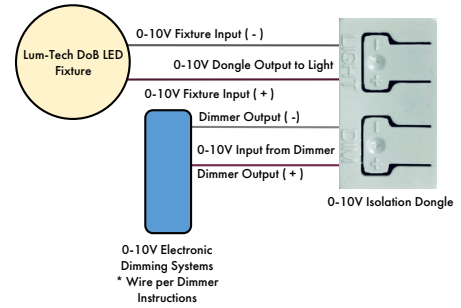
*Double wattage for Up/Down Type

120V Approved Dimmers	
* Lutron: Skylark S-600	: MRF2-6DN-120
	: MACL-153M
	: DVLV-600P
	: SELV-300P
	: CTCL-153P
	: DVELV-303P
	: DVCL-153P
* Leviton: D600R, Acenti: Ate06,	Trimatron #705W
* Cooper Devine incandescent dimmer 600W	
* Pass&seymour harmony incandescent 600W	
For 0-10V Driver**	
* Lutron: Nova 0-10V : NTFTV	Divva 0-10V : DVTV
* Leviton: Decora 0-10V : IP710DL	
*Consult tech. service or factory for additional dimmers	
**Consult with factory if you are not using the approved dimmers	
** WARNING: DO NOT USE 0-10V Electronic Relay Systems like Acuity nPP16 EFP or Creston GLXP-DIMFLV8-LP units with Lum-Tech DoB fixtures. If you want to use a 0-10V Electronic Relay System, order the optional DONGLE-IS01.0 which will prevent damage to the fixtures.	

OPTIONS



0-10V Isolation Dingle Wiring Diagram for Electronic 0-10V Relay Systems

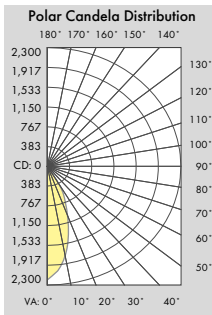


- PCELL = Photocell for Dusk to Dawn operation. Outdoor use ONLY.

- DONGLE-ISO1.0 = For use with 0-10V Electronic Relay Dimming Systems

PHOTOMETRIC REPORT

* Contact Factory for IES File

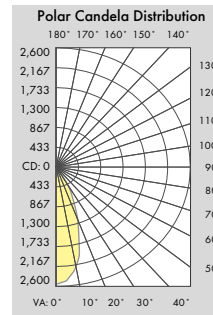


Illuminance at a Distance

Center Beam FC	Beam Width
551.5 fc	1.5 ft
137.9 fc	3.1 ft
61.3 fc	4.6 ft
34.5 fc	6.1 ft
22.1 fc	7.7 ft
15.3 fc	9.2 ft

Beam Spread: 42°

[WCED-4S(U)D-DOB-13-830]

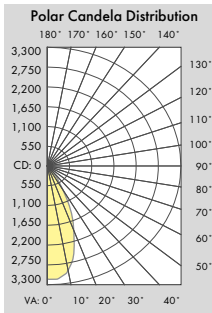


Illuminance at a Distance

Center Beam FC	Beam Width
635.6 fc	1.6 ft
158.9 fc	3.1 ft
70.6 fc	4.7 ft
39.7 fc	6.2 ft
25.4 fc	7.8 ft
17.7 fc	9.3 ft

Beam Spread: 42.5°

[WCED-4S(U)D-DOB-17-830]



Illuminance at a Distance

Center Beam FC	Beam Width
791.3 fc	1.8 ft
197.8 fc	3.7 ft
87.9 fc	5.5 ft
49.5 fc	7.3 ft
31.7 fc	9.2 ft
22.0 fc	11.0 ft

Beam Spread: 49°

[WCED-4S(U)D-DOB-27-830]

Model	-Driver	-Watts	-CRI	Color Temp.*	Housing Finish*	-Options
WCED-4SD = 4" Wall Square Cylinder Down Light	-DOB = 120/277V LED DoB, TRIAC/ELV Dimming	-13 = 13W (x2)* -17 = 17W (x2)*	-8 = 80 CRI -9 = 90 CRI	30 = 3000K 35 = 3500K 40 = 4000K	WH = White BK = Black SI = Silver	-PCELL = Photocell for Outdoor use ONLY -EM = Emergency Driver
WCED-4SUD = 4" Wall Square Cylinder Up/Down Light	-ZTDOB = 120/277V LED DoB, 0-10V Dimming	-27 = 27W (x2)* *Double wattage for Up/Down Type				-DONGLE-ISO1.0 = For use with 0-10V Electronic Relay Dimming Systems. Use 1 Dongle for each fixture dimmed.

Example : WCED-4SUD-DOB-13-830BK

* Consult factory for other Color Temperatures and Finishes

