MAXIMUM NUMBER OF ICOLOR COVE EC FIXTURES PER PDS-60ca = 30 FIXTURES

Cable leader: 30-feet (9 m)

Cable leader: 30-feet (9 m)

Connect iColor Cove EC
end to end using the
inline connectors.

CAT5e
DATA CABLE

LIGHT SYSTEM ENGINE

ETHERNET IN

ETHERNET IN

100-240VAC

100-240VAC

PC

PDS-60ca 24V DMX/ETHERNET

PDS-60ca 24V DMX/ETHERNET

CAT5e
DATA CABLE

CAT 5/RJ45
DATA CABLE
(UTP 24 AWG 4
PAIR)

ETHERNET SWITCH

1 2 3 4 5 6 7 8

WALL WART

ETHERNET IN

RED / +24V DC

BLACK / GROUND

OUT TO ADDITIONAL PDS UNITS
OR OUT TO ETHERNET SWITCH
UP TO 3 LEVELS IN TOTAL

1 5
2 6
3 7
4 8

+
−   OFF

CONTROLLER KEYPAD

NOTE:
- MAXIMUM CAT5 RUN BETWEEN DEVICES IS 330 FEET (100m). CONTACT COLOR KINETICS TECHNICAL
  SUPPORT FOR INSTALLATIONS REQUIRING CUSTOM NETWORK CONFIGURATIONS.
- MAXIMUM NUMBER OF LIGHTS PER PDS-60ca: 30 (ALL ON ONE OUTPUT OR DIVIDED
  BETWEEN THE TWO OUTPUTS).
- DO NOT SHORTEN OR LENGTHEN LEADER CABLE. CUTTING THE LEADER CABLE
  WILL DAMAGE THE DATA DRIVE CIRCUITRY.
- WHEN USING 1-FT JUMPER CABLES CONTACT APPLICATION ENGINEERING FOR
  RUN LIMITATIONS.

DATA TERMINATOR
NOTE REQUIRED WITH
ETHERNET SYSTEMS

DATA CABLES (UTP)

ACCEPTABLE CABLE TYPES:
CAT-5/CAT-5e/CAT-6
STRAIGHT-THROUGH (T568B)

TITLE:	SYSTEM WIRING DIAGRAM (TYP)	DATE:	3-12-2008
		DWG. BY:	BHG
PRODUCTS:	iCOLOR COVE EC/PDS-60ca 24V/LIGHT SYSTEM MANAGER/ETHERNET CONTROLLER KEYPAD/	SCALE:	NTS
		REV:	BHG: 6-6-2008
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