LED Eco-Commercial Strip

DL-EC	Segment	Wattage Range	Lumen Range
	Commercial & Industrial	18-90W Selectable Wattage	2,340-12,150lm

TUROLIGHT®

Features

• White post painted steel housing in 4ft or 8ft lengths

• Operating temperature range of -20˚C ~ +50˚C.

• Field Selectable CCT (3500K, 4000K & 5000K) along with Auto Sensing 120-347V Driver.

• PMMA opal lens and optional field installed wire guard for additional protection.

• Suitable for Surface, or suspended chain mounting. J-BOX split cover plate (included) and row mounting possible with optional joiner plate.

Specifications

Housing :
White post painted steel housing with split octagon box cover.

Optics :
PMMA opal lens snaps onto housing.

Mounting :
Suitable for surface or suspended mounting with standard snap on moutning brackets. Row mounting possible with optional row mount joiner plate.

Driver :
Autosensing 120-347V, selectable wattage with Operating temperature range of -20˚C ~ +50˚C.
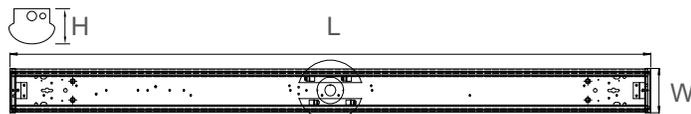
LED :
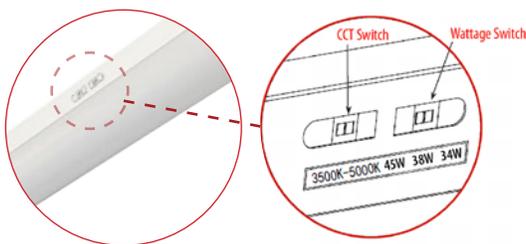Field Selectable CCT of 3500K, 4000K & 5000K. Efficacy of 130lm/w with Lumiled LED

Controls :
Compatible with optional microwave sensor controlled via optional Remote Control.

DLC LISTED · UL CERTIFIED · FC · RoHS COMPLIANT · DAMP LOCATION · 5 years Warranty ans Garantie

Dimensional Drawing

	L	W	H
4FT	47.3″	3.3″	3.6″
8FT	94.2″	3.3″	3.6″

CCT Switch · Wattage Switch
3500K-5000K 45W 38W 34W

Polar Candela

Polar Candela Distribution

- Max Cd: 350° H
- 0° H
- 90° H
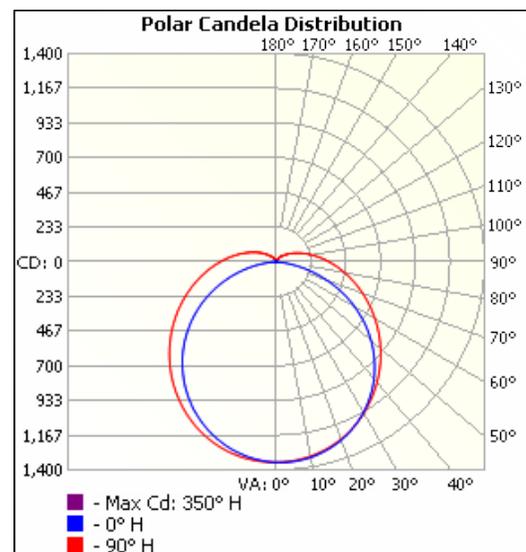
Applications

Corridors

Utility rooms

Warehousing

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Ordering Information   Example: DL-EC/4F/56W/MK/120-347V/D

Family Name	Fixture Type	Size	Wattage	CCT	Voltage	Dimmable	Sensor	Option
DL (Deltalum)	EC (Eco-Commercial)	4F (4') 4FS (4' Small wattage) 4FL (4' Large wattage) 8FL (8' Large wattage)	56W MW (Selectable wattage)	MK (Selectable CCT)	120-347V	D (Dimmable)	S (Sensor)	RM (Row MTG plate) S (Microwave sensor)

Product Specification

Ordering Code	DLC	Model Number	Wattage (W)	Input Voltage (V)	Hour Rating (L70)	Beam Angle	Initial Delivered Lumens (lumen)	CCT (K)	CRI	Damp Location	M.O.L (inch)	Case QTY.
3666309	Yes	DL-EC/4F/56W/MK/120-347V/D	56	120-347V	100,000	120°	7448	35-40-50	>80	Yes	48	6
3664306	Yes	DL-EC/4FS/MW/MK/120-347V/D	30-25-18	120-347V	100,000	120°	4050-3250-2340	35-40-50	>80	Yes	48	6
3664307	Yes	DL-EC/4FL/MW/MK/120-347V/D	45-38-34	120-347V	100,000	120°	6075-4940-4420	35-40-50	>80	Yes	48	6
3664308	Yes	DL-EC/8FL/MW/MK/120-347V/D	90-75-65	120-347V	100,000	120°	12150-9750-8450	35-40-50	>80	Yes	96	4
3686300	Yes	DL-EC/4F/56W/MK/120-347V/D/LV6S	56	120-347V	100,000	120°	7448	35-40-50	>80	Yes	48	6
3680311	Yes	DL-EC/4FS/MW/MK/120-347V/D/LV6S	30-25-18	120-347V	100,000	120°	3900-3250-2340	35-40-50	>80	Yes	48	6
3680312	Yes	DL-EC/4FL/MW/MK/120-347V/D/LV6S	45-38-34	120-347V	100,000	120°	6075-4940-4420	35-40-50	>80	Yes	48	6
3680313	Yes	DL-EC/8FL/MW/MK/120-347V/D/LV6S	90-75-65	120-347V	100,000	120°	12150-9750-8450	35-40-50	>80	Yes	96	4
3660057	-	DL-EC/4F/LENS	4ft, replacement white PMMA lens									
3660058	-	DL-EC/8F/LENS	8ft, replacement white PMMA lens									
3660092	-	DL-EC/4F/WG	4ft, wire guard									
3660096	-	DL-EC/RM	Row mounting plate									
3660190	-	DL-EC/MTG/H-C/KIT	2 x V hooks and 2 x 1.05m lengths of link chain									
-	-	S	Microwave sensor factory installed (consult for lead time)									
3768101	-	TL-2052	PIR motion sensor (sold separately)									
3660097	-	DL-EC/MS/CONTROLLER	Hand held remote control for micro-sensor									

Accessories

DL-EC/LENS   DL-EC/WG   DL-EC/RM   DL-EC/MS/CONTROLLER   TL-2052   DL-EC/MTG-HC-KIT

Related Products

SSL-CPG   VIV-T8DF4/11.5W/XX/F   VIV-T8BPSP4/11.5W/XX/F/120-347V   TL-RMES111-UDC

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Haisen sensor (Low voltage sensor)

Note: Haisen sensor factory installed

Operating voltage	10.5-15V DC (supply current >50mA, operating current <30mA)
Output	DIM/1-10V
Stand-by Power	<0.5W
Detection area	100%/75%/50%/25%
Hold-time	5s/30s/1min/3 min/5min/10min/20min/30min
Daylight threshold	2lux/10lux/30lux/50lux/80lux/120lux/Disable
Stand-by period	0s/10s/30s/min/5min/10min/30min/+∞
Stand-by dimming level	10%/20%/30%/50%
Mounting height	Max.6m (ceiling mounted)
Detection range	Radius:2-5m(ceiling mounted)
Detection angle	360°(ceiling mounted); <150° (Wall Mounted)
Operating termperature	–40℃~+80℃
Warranty	5 years

Note: Different applications and places will make different detection distance, our result is just for your information. Motion sensor setting and dimming setting please refer to remote control HD05R Lo/Vo controller Haisen.

DL-EC/LV6S/CONTROLLER

ON/OFF
1. "ON/OFF" key only functions as a switch of the light.
2. If press this button to turn off the lamp before it's short-circuited, the lamp will remain off after power-on again.

Auto Mode
Press "Auto Mode" button, the sensor starts to work and all settings remain the same before the light gets switched on/off.

Reset
1. Press "Reset" button, change brightness to max level.
2. Press "Reset" button, products with DIP switch will be controlled by DIP switches; otherwise all the setting will be just initial, that is 100% detection range,hold time 5S, no stand-by time and daylight threshold disabled.

Flick after press any button

Flick only after press "Apply" button

+ /-
1. To adjust brightness 10-100% in on/off mode.
2. To adjust highest brightenss 60-100% in sensor mode.

Start
Press "Start" to customize scene, users can change detection range, daylight threshold, holdtime, standby dimming level and standby period.

Memory
1. Press "Memory" to save all the settings.
2. The settings remained as the last time if not get resetted value.

Apply
1. Press "Apply" to deliver the saved setting.
2. Press "Apply" without "memory" will make all the setting one-time operation.
3. Settings should be done within 30S, otherwise it exits memory mode.

Detection area (Press to define detection area 100%/75%/50%/25%.)

Hold time (Press to define holdtime 5s/30s/1min/3min /5min/10min/20min/30min.)

Stand-by dimming level (Press to define stand-by dimming level 10%/20%/30%/50%.)

Stand-by period (Press to define stand-by period 0s/10s/30s/1min/5min/10min/30min/+∞.)
Note: "0s" means no standby period; "+∞" means unlimited standby period.

Daylight threshold (Press to define daylight level 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable.)
Note: Disable means light will be turned on once sensor detects movement, regardless of the ambient lux.

Test (2s)
The button "Test (2s)" is for testing purpose after commissioning.Pressing this button, the sensor goes to test mode (hold time is only 2s)

Memory & Apply Mode
1. Press "ON/OFF button" to turn on the light or off.
2. To reset the parameters, Please follow the steps as below:
   Step 1 - Press ON, to turn on the light if it was off at the start.
   Step 2 - Press "Start" to the well-setting sensor.
   Step 3 - Press the button of Detection range, Hold time, Stand-by dimming level, Stand-by period and Daylight threshold one after the other in sequence.
   Step 5 – Press "Memory" to memorize the settings.
Note: The interval of each parameter setting shall be controlled within 30s.
3. To programme other lights in the array that have similar sensors to the same programme.
   Step 1 – Press "ON" to the second sensor
   Step 2 – Press "Apply"

Isolated Setting Mode
1. Press "ON/OFF button" to turn on the light or off. Press "Auto Mode", the remote will activate settings that were saved last or remain at the factory default settings.
2. To reset the parameters, Please follow the steps as below:
   Step 1 - Press ON, to turn on the light if it was off at the start.
   Step 2- Press any button of "Auto Mode", "Reset", "Test" and "Apply" to begin the sensor detection mode.
   Step 3 - Press the button of Detection range, Hold time, Stand-by dimming level, Stand-by period and Daylight threshold one after the other in sequence.
Note:
1. Settings will be saved automatically and remain until you press reset again.
2. Light will flicker when setting each parameter.

NOTE:

- Microwave can penetrate walls or glass thinner than 20cm, movement in adjacent corridors may be detected.
- Detection area will be affected by speed of motion, mounting height and movement volume.
- Installation shall not be mounted to avoid false trigger caused by the luminaire itself shaking. (Rooftop HVAC, upper floor vibration, etc.)
- Shall not be installed next to large operating machines such as ventilator/ceiling fan to avoid false triggering caused by machine vibration.
- They cannot penetrate metal. Large metal object near the sensor may create a "dead zone" behind it.
- Microwave sensors have advantage over PIR device in that they can operate in hot environments, however, they are sensitive devices and can be prone to false detection by everyday items like ceiling fans, moving branches or curtains, loose packaging, etc.

Other options may be available, consult Turolight Sales. Specifications and data are subject to change without notice.

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