

Appendix A-1

Façade and Building Entrance

ERCO

Tesis Recessed floor luminaire

Directional luminaire for metal halide lamps



33718.000
 Reflector colour Silver
 HIT-TC-CE 35W G8.5 3300lm

Product description

Housing: corrosion-resistant cast aluminium, No-rinse surface treatment. Black double powder-coated. Lampholder carrier 0°-20° tilt.

Mounting by means of an adjustable bar. Clamp extension up to 35mm.

Cable 3x1.5mm², L 1m.

Control gear with temperature controller, timed ignitor, capacitor.

Darklight reflector: aluminium, silver anodised. Cut-off angle 40°. Without spill light.

Screw-mounted cover ring with flush safety glass: corrosion resistant stainless steel.

Safety glass: 12mm, clear. Can be driven over by vehicles with pneumatic tyres. Load 44kN.

Spot reflector: aluminium, silver anodised. Glass with anti-dazzle cylinder.

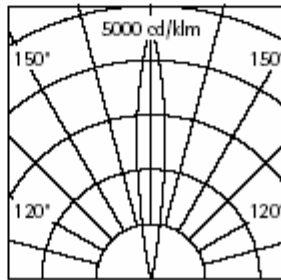
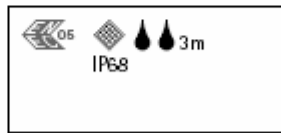
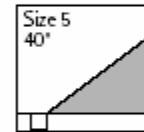
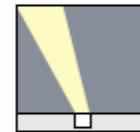
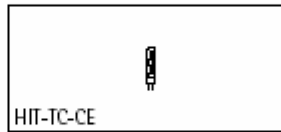
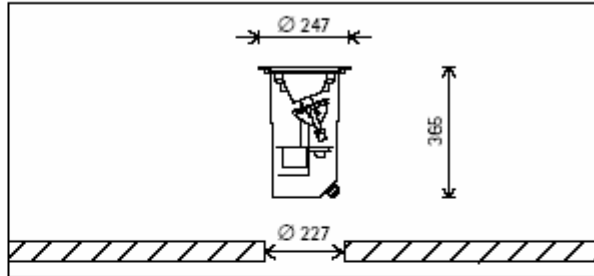
Surface temperature 70°C.

Installation with separate connection sleeve.

Protection mode IP68 3m: protection against dust ingress, and continuous immersion up to 3m deep.

On site protection must be provided using a residual current circuit breaker, FI<30mA.

Weight: 7.30 kg



HIT-TC-CE 35W G8.5 3300lm

ERCO

Tesis Recessed floor luminaire

Directional luminaire for metal halide lamps



33726.000
 Reflector colour Silver
 HIT-CE 70W G12 6800lm

Product description

Housing: corrosion-resistant cast aluminium, No-rinse surface treatment. Black double powder-coated. Lampholder carrier 0°-20° tilt.

Mounting by means of an adjustable bar. Clamp extension up to 35mm.

Cable 3x1.5mm², L 1m.

Control gear with temperature controller, timed ignitor, capacitor.

Spot reflector: Aluminium, silver anodised. Glass with anti-dazzle cylinder.

Darklight reflector: Aluminium, silver anodised. Cut-off angle 50°. Without spill light.

Screw-mounted cover ring with flush safety glass: corrosion resistant stainless steel.

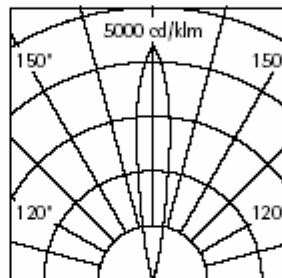
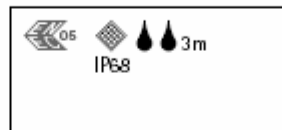
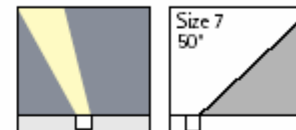
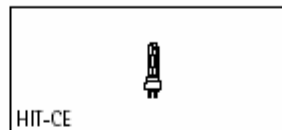
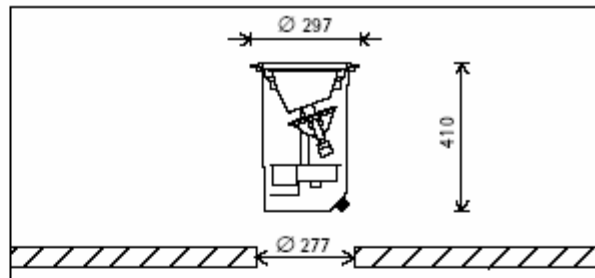
Safety glass: 12mm, clear. Surface temperature 75°C. Can be driven over by vehicles with pneumatic tyres. Load 44kN.

Installation with separate connection sleeve.

Protection mode IP68 3m: protection against dust ingress, and continuous immersion up to 3m deep.

On site protection must be provided using a residual current circuit breaker, FI<30mA.

Weight: 10.20 kg

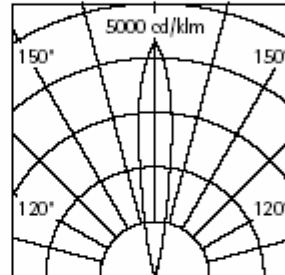
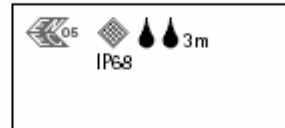
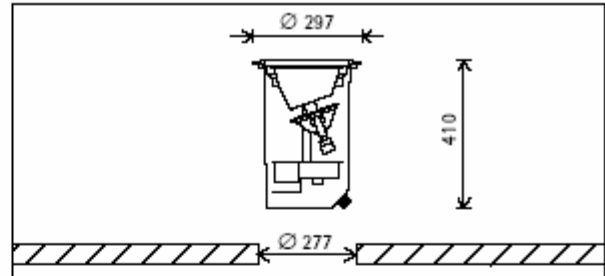


HIT-CE 70W G12 6800lm

ERCO

Tesis Recessed floor luminaire

Directional luminaire for metal halide lamps



HIT-CE 70W G12 6800lm

33726.000
Reflector colour Silver
HIT-CE 70W G12 6800lm

Product description

Housing: corrosion-resistant cast aluminium, No-rinse surface treatment. Black double powder-coated. Lampholder carrier 0°-20° tilt.

Mounting by means of an adjustable bar. Clamp extension up to 35mm.

Cable 3x1.5mm², L 1m.

Control gear with temperature controller, timed ignitor, capacitor.

Spot reflector: Aluminium, silver anodised. Glass with anti-dazzle cylinder.

Darklight reflector: Aluminium, silver anodised. Cut-off angle 50°. Without spill light.

Screw-mounted cover ring with flush safety glass: corrosion resistant stainless steel.

Safety glass: 12mm, clear. Surface temperature: 75°C. Can be driven over by vehicles with pneumatic tyres. Load 44kN.

Installation with separate connection sleeve.

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On site protection must be provided using a residual current circuit breaker, R<30mA.

Weight: 10.20 kg

EZ•Glass™



Project: _____ Contact: _____
 Fixture/Wattage/Beamspread: _____
 Location: _____ Lens Size: _____
 Color: Roscolux #97 Accessory: _____



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EZ•Glass™ is manufactured using heat strengthened borosilicate glass or tempered soda-lime glass with Special FX® EZ•Glass™ coatings. Application will determine glass substrate required. EZ•Glass™ will not shatter from heat, as with standard art glass. EZ•Glass™ is thermal shock resistant and does not need to be cut into strips to allow for heat dissipation or expansion.

Applications

EZ•Glass™ will last years without fading or burning when used according to Special FX® guidelines. EZ•Glass™ can be specified as standard service single pane (dry location) or rough service double pane (wet location).

Substrate

Borosilicate or Tempered soda lime glass.
 1.75-2.2mm thick borosilicate glass up to 10"
 .125" tempered soda lime glass 10" or larger. Sizes to 24"

Color Selection

Any color or combination of colors.
 Standard colors - Specify any color or combination of colors from any theatrical color media.
 Custom colors- Supply color sample.

Specifying EZ•Glass™ for your project

Call Special FX® Lighting to confirm product and color being used on fixture to insure warranty. FAX or email project specifications with fixture information and color. We will review fixture information with the colors chosen and recommend the longest lasting, most cost-effective product for your application.

Specifications for EZ•Glass•HT™ = EZG/size/color media/color number
 Example=EZG 6.25" sq. R 26 (6.25" sq, EZ Glass HT, Rosco 26)

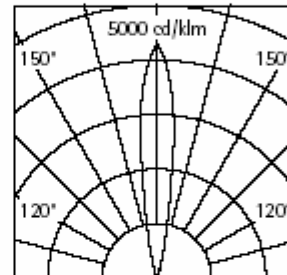
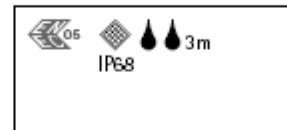
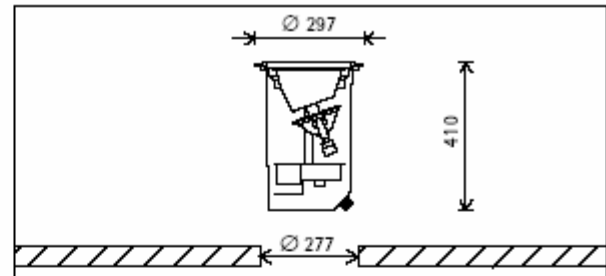
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HIT-CE 70W G12 6800lm

33726.000
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HIT-CE 70W G12 6800lm

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Cable 3x1.5mm², L 1m.

Control gear with temperature controller, timed ignitor, capacitor.

Spot reflector: Aluminium, silver anodised. Glass with anti-dazzle cylinder.

Darklight reflector: Aluminium, silver anodised. Cut-off angle 50°. Without spill light.

Screw-mounted cover ring with flush safety glass: corrosion resistant stainless steel.

Safety glass: 12mm, clear. Surface temperature: 75°C. Can be driven over by vehicles with pneumatic tyres. Load 44kN.

Installation with separate connection sleeve.

Protection mode IP68 3m: protection against dust ingress, and continuous immersion up to 3m deep.

On site protection must be provided using a residual current circuit breaker, R<30mA.

Weight: 10.20 kg

EZ•Glass™



Project: _____ Contact: _____
 Fixture/Wattage/Beamspread: _____
 Location: _____ Lens Size: _____
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ERCO

Tesis Recessed floor luminaire

Lens wallwasher for metal halide lamps



33724.000

Reflector colour Silver
HIT-CE 70W G12 6600lm

Product description

Housing: corrosion-resistant cast aluminium, No-rinse surface treatment. Black double powder-coated. Mounting by means of an adjustable bar. Clamp extension up to 35mm.

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Control gear with temperature controller, timed ignitor, capacitor.

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Darklight reflector: aluminium, silver, bright anodised, with wallwasher lens. Cut-off angle 50°.

Without spill light.

Screw-mounted cover ring with flush safety glass: corrosion resistant stainless steel.

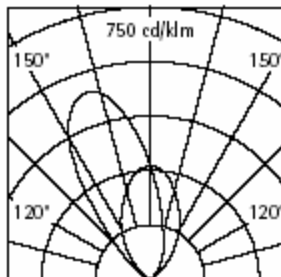
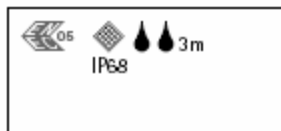
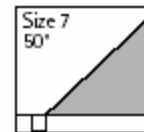
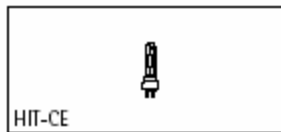
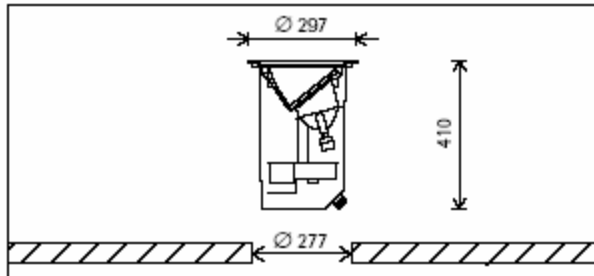
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Weight: 10.20 kg



HIT-CE 70W G12 6600lm

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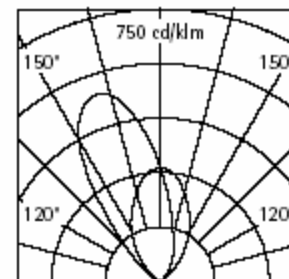
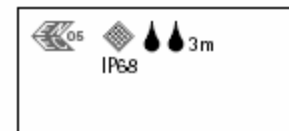
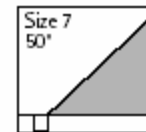
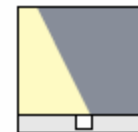
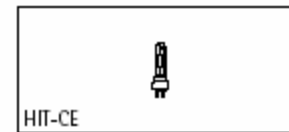
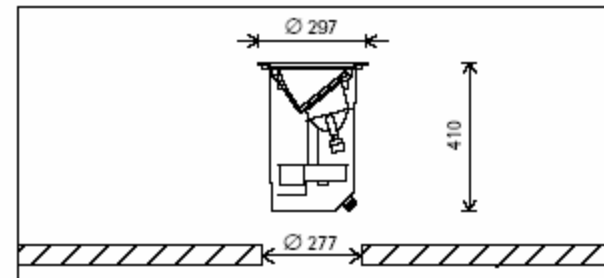
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HIT-CE 70W G12 6600lm

EZ•Glass™



Project: _____ Contact: _____
 Fixture/Wattage/Beamspread: _____
 Location: _____ Lens Size: _____
 Color: Roscolux #97 Accessory: _____



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Applications

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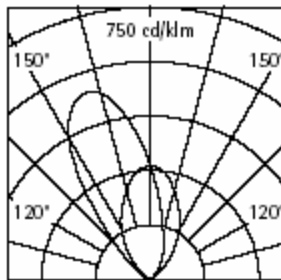
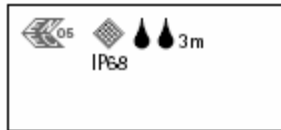
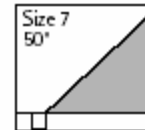
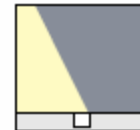
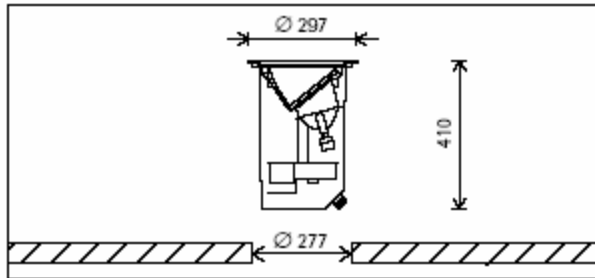
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Weight: 10.20 kg



HIT-CE 70W G12 6600lm

EZ•Glass™



Project: _____ Contact: _____
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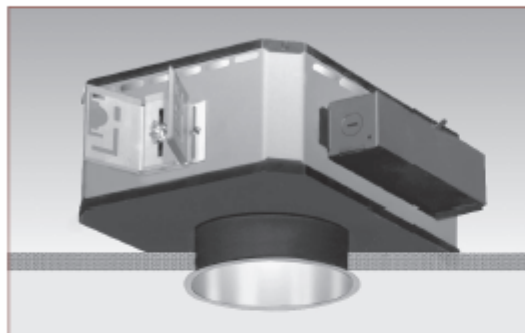
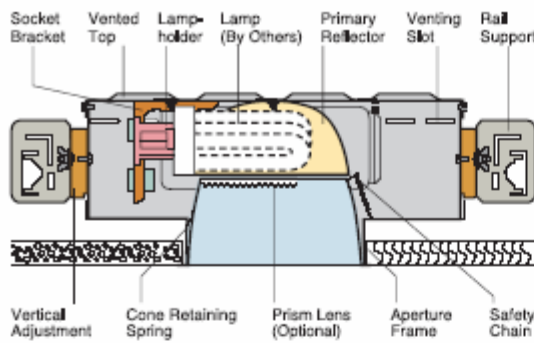
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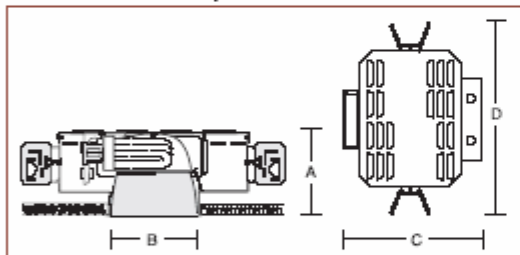
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Order Lead time

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Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Lamps
P921	6" / 156mm	5 1/4" / 149mm	13 1/2" / 343mm	19" / 483mm	26-32W Triple Tube
P922	6" / 156mm	5" / 149mm	13 1/2" / 343mm	19" / 483mm	42W Triple Tube

Brightness

Number	Lamps	Plane	85°	75°	65°	55°	45°
			P921	One 32W Philips Triple Tube	0°	11	37
		90°	9	32	54	12136	15412
	One 32W Osram Sylvania Triple Tube	0°	8	33	55	3019	13550
		90°	7	32	53	10505	13987
P922	One 42W Philips Triple Tube	0°	12	34	62	5559	14282
		90°	11	41	68	11342	15425
	One 42W Osram Sylvania Triple Tube	0°	11	44	73	3068	15813
		90°	11	47	76	14354	18396

Data in footcandle. Photometer readings, Maximum Brightness Method. See note 7 on the other side.

P921 One 26W or 32W Triple Tube Lamp
P922 One 42W Triple Tube Lamp

Medium-Wide Beam
 5 1/4" Conoid Apertures

Optics and Applications

Ellipsoidal primary reflectors and parabolic shielding cones produce classic symmetrical patterns for general use in corridors, open areas and transient spaces. Recess depths are shallow for limited plenums. Use in medium ceiling heights. Spacing criteria from 1.14 to 1.23.

Design Features

Fixtures accept Philips, Osram Sylvania, GE or other compatible lamps despite the variance in lamp base dimensions. Construction allows easy access to all components. Air flow design lowers fixture temperature for optimal lamp performance. Steel housings protect the reflectors and assure their proper relationship. Maximum ceiling thickness 1 5/8". Ballast and lamp service from below.

Finish

Specular clear Alzak cones are standard. Optional colors and Softglow® finishes are available. Housings and structural parts are painted optical matte black to suppress stray light leaks. Steel parts are phosphate conditioned for corrosion resistance before painting.

Ballasts

Fully electronic, microprocessor controlled with variable starting current for inrush protection to assure rated lamp life. Input voltage ranges from 120V through 277V. Operates multiple wattage interchangeably. Power factor .98, starting temperature 0° F (-18° C), THD < 10%. Pre-heat start < 1.0 second. End of lamp life protection. Rated for > 50,000 starts.

General

Fixtures are pre-wired, UL and C-UL listed for eight wire 75°C branch circuit wiring. Union made IBEW. Luminaire Efficiency Rating (LER) data is in the photometric directory located in Section Z.

Accessories

- F Fuse.
- G Gold cone.
- H Mocha cone.
- P Graphite cone.
- T Titanium cone.
- W Wheat cone.
- Y Pewter cone.
- Z Bronze cone.
- S Softglow® finishes: add S before color letters. e.g. SW for Softglow®wheat cone, SC for Softglow® clear cone.
- DM Dimming ballast. Specify watts and volts.
- EM Emergency power includes integral charger light and test switch visible through aperture. Single lamp operation for 90 minutes. Specify volts.
- WRL Wattage restriction label, specify wattage.
- R2 26" support rails.
- R5 52" support rails.
- WT White trim flange.
- WHT White complete trim.
- V347 347 volt ballast.
- LS Lamp shield, acrylic.
- LP Prism lens, acrylic.

Matching Units

- Medium beam Page P51
- Wall washers Pages P61, P62, P63

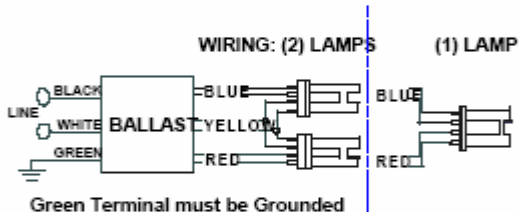


Electrical Specifications

RCF-2S26-H1-LD-QS	
Brand Name	SMARTMATE
Ballast Type	Electronic
Starting Method	Rapid Start
Lamp Connection	Series
Input Voltage	120
Input Frequency	60 HZ
Status	Active

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (*F/C)	Input Current (Amps)	Input Power (ANSI Watts)	Ballast Factor	MAX THD %	Power Factor	MAX Lamp Current Crest Factor	B.E.F.
CFQ26W/G24Q	1	26	0/-18	0.23	27	1.00	10	0.98	1.5	3.70
CFQ26W/G24Q	2	26	0/-18	0.43	51	1.00	10	0.99	1.5	1.96
CFTR26W/GX24Q	1	26	0/-18	0.24	29	1.10	10	0.98	1.5	3.79
CFTR26W/GX24Q	2	26	0/-18	0.45	54	1.00	10	0.98	1.5	1.85
* CFTR32W/GX24Q	1	32	0/-18	0.31	38	0.98	10	0.98	1.5	2.72
CFTR42W/GX24Q	1	42	0/-18	0.38	48	0.98	10	0.98	1.5	2.13
FC12T5	1	40	0/-18	0.32	38	0.95	10	0.98	1.5	2.50
FC9T5	1	22	0/-18	0.21	25	1.00	10	0.98	1.5	4.00

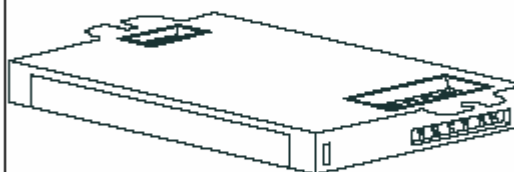
Wiring Diagram



The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

Enclosure



Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
4.98 "	2.4 "	1.0 "	4.6 "
4 49/50	2 2/5	1	4 3/5
12.6 cm	6.1 cm	2.5 cm	11.7 cm

Revised 09/02/2004



Data is based upon tests performed by Advance Transformer in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

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